



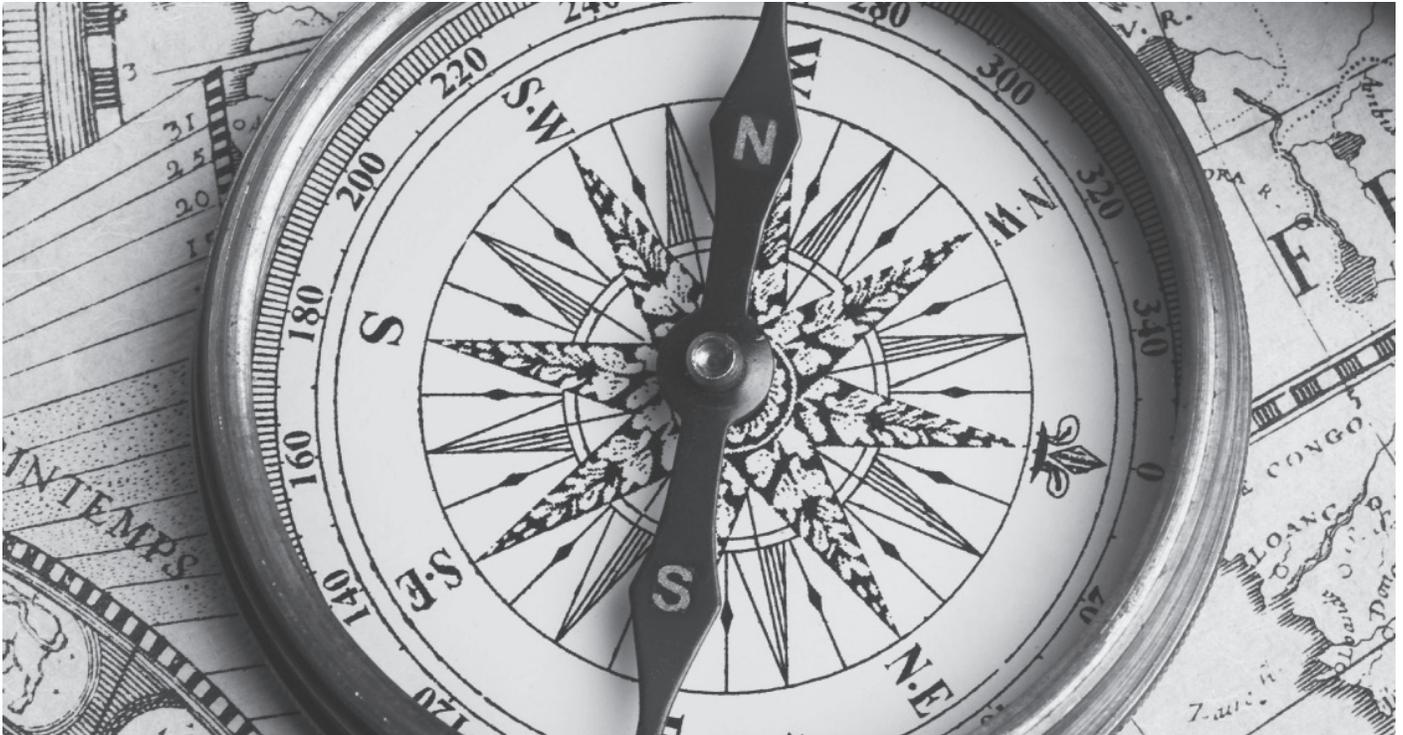
1040

2018

TAX
YEAR

INSTRUCTIONS

Including the instructions for
Schedules 1 through 6



2018 Tax Reform Changes

- Form 1040 has been redesigned. Forms 1040A and 1040EZ will no longer be used.
 - Most tax rates have been reduced.
 - The child tax credit amount has been increased up to \$2,000.
 - A new tax credit of up to \$500 may be available for each dependent who doesn't qualify for the child tax credit.
 - The deduction for state and local taxes has been limited.
 - The deduction for miscellaneous expenses has been eliminated.
 - The overall limit on itemized deductions has been eliminated.
- For details on these and other changes see *What's New* in these instructions.

Future Developments

See [IRS.gov](https://www.irs.gov) and [IRS.gov/Forms](https://www.irs.gov/forms) and for the latest information about developments related to Form 1040 and its instructions, such as legislation enacted after they were published, go to [IRS.gov/Form1040](https://www.irs.gov/Form1040).



FreeFile is the fast, safe, and free way to prepare and e-file your taxes. See [IRS.gov/FreeFile](https://www.irs.gov/FreeFile).

Pay Online. It's fast, simple, and secure. Go to [IRS.gov/Payments](https://www.irs.gov/Payments)

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Department of the Treasury

Internal Revenue Service

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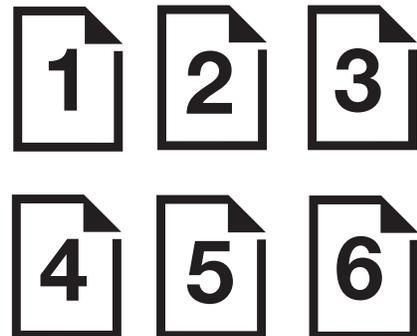
Form 1040 Redesign

Everyone files the new Form 1040!

Use the base form...



**only the schedules
that are right for you!**





Form 1040 Redesign

Helpful Hints

For 2018, you will no longer use Form 1040A or Form 1040EZ as you may have in the past. Instead, you will use the redesigned Form 1040, which now has six new numbered schedules in addition to the existing schedules such as Schedule A.

Many people will only need to file Form 1040 and none of the new numbered schedules. However, if your return is more complicated (for example, you claim certain deductions or credits or owe additional taxes), you will need to complete one or more of the new numbered schedules. Below is a general guide to which schedule(s) you will need to file based on your circumstances. See the instructions for the schedules for more information.

If you *e-file* your return, you generally won't notice much of a change and the software you use will generally determine which schedules you need.

IF YOU...	THEN USE...
Have additional income, such as capital gains, unemployment compensation, prize or award money, or gambling winnings. Have any deductions to claim, such as student loan interest deduction, self-employment tax, or educator expenses.	Schedule 1
Owe AMT or need to make an excess advance premium tax credit repayment.	Schedule 2
Can claim a nonrefundable credit other than the child tax credit or the credit for other dependents, such as the foreign tax credit, education credits, or general business credit.	Schedule 3
Owe other taxes, such as self-employment tax, household employment taxes, additional tax on IRAs or other qualified retirement plans and tax-favored accounts.	Schedule 4
Can claim a refundable credit other than the earned income credit, American opportunity credit, or additional child tax credit, such as the net premium tax credit or health coverage tax credit. Have other payments, such as an amount paid with a request for an extension to file or excess social security tax withheld.	Schedule 5
Have a foreign address or a third party designee other than a paid preparer.	Schedule 6

The Taxpayer Advocate Service Is Here To Help You

What is the Taxpayer Advocate Service?

The Taxpayer Advocate Service (TAS) is an *independent* organization within the Internal Revenue Service (IRS) that helps taxpayers and protects taxpayer rights. Our job is to ensure that every taxpayer is treated fairly and that you know and understand your rights under the [Taxpayer Bill of Rights](#).

What can the Taxpayer Advocate Service do for you?

We can help you resolve problems that you can't resolve with the IRS. And our service is free. If you qualify for our assistance, you will be assigned to one advocate who will work with you throughout the process and will do everything possible to resolve your issue. TAS can help you if:

- Your problem is causing financial difficulty for you, your family, or your business.
- You face (or your business is facing) an immediate threat of adverse action.
- You've tried repeatedly to contact the IRS but no one has responded, or the IRS hasn't responded by the date promised.

How can you reach us?

We have offices in [every state, the District of Columbia, and Puerto Rico](#). Your local advocate's number is at www.TaxpayerAdvocate.IRS.gov and in your local directory. You can also call us at 1-877-777-4778.

How can you learn about your taxpayer rights?

The Taxpayer Bill of Rights describes ten basic rights that all taxpayers have when dealing with the IRS. Our Tax Toolkit at www.TaxpayerAdvocate.IRS.gov can help you understand [what these rights mean to you](#) and how they apply. These are *your* rights. Know them. Use them.

How else does the Taxpayer Advocate Service help taxpayers?

TAS works to resolve large-scale problems that affect many taxpayers. If you know of one of these broad issues, please report it to us at IRS.gov/SAMS.

Low Income Taxpayer Clinics Help Taxpayers

Low Income Taxpayer Clinics (LITCs) are independent from the IRS. Some serve individuals whose income is below a certain level and who need to resolve a tax problem. These clinics provide professional representation before the IRS or in court on audits, appeals, tax collection disputes, and other issues for free or for a small fee. Some clinics provide information about taxpayer rights and responsibilities in many different languages for individuals who speak English as a second language. For more information, and to find a clinic near you, read the LITC page on IRS.gov/LITC or IRS [Publication 4134, Low Income Taxpayer Clinic List](#). You can also get this publication at your local IRS office or by calling 1-800-829-3676.

Suggestions for Improving the IRS

Taxpayer Advocacy Panel

Have a suggestion for improving the IRS and do not know who to contact? The Taxpayer Advocacy Panel (TAP) is a diverse group of citizen volunteers who listen to taxpayers, identify taxpayers' issues, and make suggestions for improving IRS service and customer satisfaction. The panel is demographically and geographically diverse, with at least one member from each state, the District of Columbia, and Puerto Rico. Contact TAP at www.improveirs.org or 1-888-912-1227 (toll-free).

Affordable Care Act—What You Need To Know

Requirement To Reconcile Advance Payments of the Premium Tax Credit

The premium tax credit helps pay premiums for health insurance purchased from the Marketplace. Eligible individuals may have advance payments of the premium tax credit made on their behalf directly to the insurance company.

If you or a family member enrolled in health insurance through the Marketplace and advance payments of the premium tax credit were made to your insurance company to reduce your monthly premium payment, you must attach **Form 8962** to your return to **reconcile** (compare) the advance payments with your premium tax credit for the year.

The Marketplace is required to send **Form 1095-A** by **January 31, 2019**, listing the advance payments and other information you need to complete **Form 8962**.

1. You will need **Form 1095-A** from the Marketplace.
 2. Complete **Form 8962** to claim the credit and to reconcile your advance credit payments.
 3. Include **Form 8962** with your **Form 1040** or **Form 1040NR**. (Don't include Form 1095-A.)
-

Health Coverage Individual Responsibility Payment

For 2018, you must:



OR



Report Health Care Coverage or Exempt

Check the “Full-year health care coverage or exempt” box on the front of Form 1040 to indicate that you, your spouse (if filing jointly), and anyone you can or do claim as a dependent had **qualifying health care coverage or a coverage exemption that covered all of 2018 or a combination of qualifying health care coverage and coverage exemption(s) for every month of 2018**.

Make a Shared Responsibility Payment

Make a shared responsibility payment if, for any month in 2018, you, your spouse (if filing jointly), or anyone you can or do claim as a dependent didn't have coverage and doesn't qualify for a coverage exemption. If you can claim any part-year exemptions or exemptions for specific members of your household, use Form 8965. This will reduce the amount of your shared responsibility payment. For more information, see the Form 8965 instructions or go to IRS.gov/SRP.

Health Coverage Reporting

- If you or someone in your family had health coverage in 2018, the provider of that coverage is required to send you a **Form 1095-A**, **1095-B**, or **1095-C** (with Part III completed) that lists individuals in your family who were enrolled in the coverage and shows their months of coverage. You may use this information to help complete **Schedule 4, line 61**. You should receive **Form 1095-A** by early **February 2019** and **Form 1095-B** or **1095-C** by early **March 2019**, if applicable. You don't need to wait to receive your Form 1095-B or 1095-C to file your return. You may rely on other information about your coverage to complete Schedule 4, line 61. Don't include Form 1095-A, Form 1095-B, or Form 1095-C with your tax return.
- If you or someone in your family was an employee in 2018, the employer may be required to send you **Form 1095-C**. **Part II** of **Form 1095-C** shows whether your employer offered you health insurance coverage and, if so, information about the offer. You should receive **Form 1095-C** by early **March 2019**. This information may be relevant if you purchased health insurance coverage for 2018 through the Health Insurance Marketplace and wish to claim the premium tax credit on **Schedule 5, line 70**. However, you don't need to wait to receive this form to file your return. You may rely on other information received from your employer. If you don't wish to claim the premium tax credit for 2018, you don't need the information in **Part II** of **Form 1095-C**. For more information on who is eligible for the premium tax credit, see the Instructions for Form 8962.

What's New

For information about any additional changes to the 2018 tax law or any other developments affecting Form 1040 or its instructions, go to [IRS.gov/Form1040](https://www.irs.gov/Form1040).

Form 1040 has been redesigned for 2018. The new design uses a “building block” approach. Form 1040, which many taxpayers can file by itself, is supplemented with new Schedules 1 through 6. These additional schedules will be used as needed to complete more complex tax returns. The instructions for the new schedules are at the end of the Form 1040 instructions.

Forms 1040A and 1040EZ no longer available. Forms 1040A and 1040EZ aren't available to file your 2018 taxes. If you used one of these forms in the past, you will now file Form 1040. Some forms and publications that were released in 2017 or early 2018 (for example, Form W-2) may still have references to Form 1040A or Form 1040EZ. Please disregard these references.

Due date of return. File Form 1040 by April 15, 2019. If you live in Maine or Massachusetts, you have until April 17, 2019, because of the Patriots' Day holiday in those states and the Emancipation Day holiday in the District of Columbia.

Change in tax rates. For 2018, most tax rates have been reduced. The 2018 tax rates are 10%, 12%, 22%, 24%, 32%, 35%, and 37%.

Standard deduction amount increased. For 2018, the standard deduction amount has been increased for all filers. The amounts are:

- Single or Married filing separately—\$12,000.
- Married filing jointly or Qualifying widow(er)—\$24,000.
- Head of household—\$18,000.

Personal exemption suspended. For 2018, you can't claim a personal exemption deduction for yourself, your spouse, or your dependents.

Increased child tax credit and additional child tax credit. For 2018, the maximum child tax credit has increased to \$2,000 per qualifying child, of which \$1,400 can be claimed for the additional child tax credit. In addition, the modified adjusted gross income threshold at which the credit begins to phase out has

increased to \$200,000 (\$400,000 if married filing jointly).

New credit for other dependents. If you have a dependent, you may be able to claim the credit for other dependents. The credit is a nonrefundable credit of up to \$500 for each eligible dependent who can't be claimed for the child tax credit. The child tax credit and credit for other dependents are both figured using the Child Tax Credit and Credit for Other Dependents Worksheet and reported on line 12a. See *Who Qualifies as Your Dependent* for more information.

Social security number (SSN) required for child tax credit. Your child must have an SSN valid for employment issued before the due date of your 2018 return (including extensions) to be claimed as a qualifying child for the child tax credit or additional child tax credit. If your child doesn't qualify you for the child tax credit but has a taxpayer identification number issued on or before the due date of your 2018 return (including extensions), you may be able to claim the new credit for other dependents for that child.

Qualified business income deduction. Beginning in 2018, you may be able to deduct up to 20% of your qualified business income from your qualified trade or business, plus 20% of your qualified REIT dividends and qualified PTP income. The deduction can be taken in addition to your standard deduction or itemized deductions. For more information, see the instructions for line 9 and Pub. 535.

Changes to itemized deductions. For 2018, there have been changes to the itemized deductions that can be claimed on Schedule A. See the Schedule A instructions for more information on these changes and a complete list of changes.

These changes include:

- Your overall itemized deductions are no longer limited because your adjusted gross income is over a certain limit.
- Your deduction of state and local income, sales, and property taxes is limited to a combined, total deduction of

\$10,000 (\$5,000 if married filing separately).

- You can no longer deduct job-related expenses or other miscellaneous itemized deductions that were subject to the 2%-of-adjusted-gross-income floor.

Alternative minimum tax (AMT) exemption amount increased. The AMT exemption amount is increased to \$70,300 (\$109,400 if married filing jointly or qualifying widow(er); \$54,700 if married filing separately). The income levels at which the AMT exemption begins to phase out have increased to \$500,000 (\$1,000,000 if married filing jointly or qualifying widow(er)).

Section 965 deferred foreign income. If you own (directly or indirectly) certain foreign corporations, you may have to include on your return certain deferred foreign income. You may pay the entire amount of tax due with respect to this deferred foreign income this year or elect to make payment in eight installments or, in the case of certain stock owned through an S corporation, elect to defer payment until the occurrence of a triggering event. See the instructions for Line 11a; Schedule 1, line 21; Schedule 5, line 74; Form 965; and Form 965-A for more information.

Global intangible low-taxed income (GILTI) under section 951A. If you are a U.S. shareholder of a controlled foreign corporation, you must include your GILTI in your income. If you own an interest in a domestic pass-through entity that is a U.S. shareholder of a controlled foreign corporation, you may have a GILTI inclusion related to that interest, even if you are not a U.S. shareholder of the controlled foreign corporation. See [IRS.gov/Form8992](https://www.irs.gov/Form8992) and Form 8992 and its instructions for the latest information regarding GILTI and domestic pass-through entities.

Domestic production activities deduction. The domestic production activities deduction has been repealed with limited exceptions. See the instructions for Schedule 1, line 36, for more information.

Expired tax benefits. At the time these instructions went to print, some tax benefits had expired. These include the deduction for qualified tuition and fees, the

mortgage insurance premium deduction, and the nonbusiness energy property credit. To find out if legislation extended any of these provisions so you can

claim them on your 2018 return, go to [IRS.gov/FormsUpdates](https://www.irs.gov/formsupdates) or [IRS.gov/Form1040](https://www.irs.gov/Form1040).

Free Software Options for Doing Your Taxes

Why have 49 million Americans used Free File?

- *Security*—Free File uses the latest encryption technology to safeguard your information.
- *Flexible Payments*—File early; pay by April 15, 2019 (for most people).
- *Greater Accuracy*—Fewer errors mean faster processing.
- *Quick Receipt*—Get an acknowledgment that your return was received and accepted.
- *Go Green*—Reduce the amount of paper used.
- *It's Free*—through *IRS.gov/FreeFile*.
- *Faster Refunds*—Join the eight in 10 taxpayers who get their refunds faster by using direct deposit and *e-file*.

freefile Do Your Taxes for Free

If your adjusted gross income was \$66,000 or less in 2018, you can use free tax software to prepare and *e-file* your tax return. Earned more? Use Free File Fillable Forms.

Free File. This public-private partnership, between the IRS and tax software providers, makes approximately a dozen brand name commercial software products and *e-file* available for free. Seventy percent of the nation's taxpayers are eligible.

Just visit *IRS.gov/FreeFile* for details. Free File combines all the benefits of *e-file* and easy-to-use software at no cost. Guided questions will help ensure you get all the tax credits and deductions you are due. It's fast, safe, and free.

You can review each software provider's criteria for free usage or use an online tool to find which free software products match your situation. Some software providers offer state tax return preparation for free.

Free File Fillable Forms. The IRS offers electronic versions of IRS paper forms that also can be *e-filed* for free. Free File Fillable Forms is best for people experienced in preparing their own tax returns. There are no income limitations. Free File Fillable Forms does basic math calculations. It supports only federal tax forms.

Free Tax Help Available Nationwide

Volunteers are available in communities nationwide providing free tax assistance to low-to-moderate income (generally under \$55,000 in adjusted gross income) and elderly taxpayers (age 60 and older). At selected sites, taxpayers can input and electronically file their own tax return with the assistance of an IRS-certified volunteer.

See *How To Get Tax Help* near the end of these instructions for additional information or visit *IRS.gov* (Keyword: VITA) for a VITA/TCE site near you!

IRS.gov is the gateway to all electronic services offered by the IRS, as well as the spot to download forms at *IRS.gov/Forms*.

Make your tax payments electronically—it's easy.

You can make electronic payments online, by phone, or from a mobile device. Paying electronically is safe and secure. The IRS uses the latest encryption technology and doesn't store the bank account number you use to submit your payment. When you use any of the IRS electronic payment options, it puts you in control of paying your tax bill and gives you peace of mind. You determine the payment date, and you will receive an immediate confirmation from the IRS. It's easy, secure, and much quicker than mailing in a check or money order. Go to *IRS.gov/Payments* to see all your electronic payment options.

Filing Requirements

These rules apply to all U.S. citizens, regardless of where they live, and resident aliens.



Have you tried IRS *e-file*? It's the fastest way to get your refund and it's free if you are eligible. Visit IRS.gov for details.

Do You Have To File?

Use Chart A, B, or C to see if you must file a return. U.S. citizens who lived in or had income from a U.S. possession should see Pub. 570. Residents of Puerto Rico can use [Tax Topic 901](#) to see if they must file.

 *Even if you do not otherwise have to file a return, you should file one to get a refund of any federal income tax withheld. You also should file if you are eligible for any of the following credits.*

- *Earned income credit.*
- *Additional child tax credit.*
- *American opportunity credit.*
- *Credit for federal tax on fuels.*
- *Premium tax credit.*
- *Health coverage tax credit.*

See Pub. 501 for details. Also see Pub. 501 if you do not have to file but received a Form 1099-B (or substitute statement).

Requirement to reconcile advance payments of the premium tax credit.

If you, your spouse with whom you are filing a joint return, or a dependent was enrolled in coverage through the Marketplace for 2018 and advance payments of the premium tax credit were made for this coverage, you must file a 2018 return and attach Form 8962. You (or whoever enrolled you) should have received Form 1095-A from the Marketplace with information about your coverage and any advance payments.

You must attach Form 8962 even if someone else enrolled you, your spouse, or your dependent. If you are a dependent who is claimed on someone else's 2018 return, you do not have to attach Form 8962.

Exception for certain children under age 19 or full-time students. If certain conditions apply, you can elect to in-

clude on your return the income of a child who was under age 19 at the end of 2018 or was a full-time student under age 24 at the end of 2018. To do so, use Form 8814. If you make this election, your child doesn't have to file a return. For details, use [Tax Topic 553](#) or see Form 8814.

A child born on January 1, 1995, is considered to be age 24 at the end of 2018. Do not use Form 8814 for such a child.

Resident aliens. These rules also apply if you were a resident alien. Also, you may qualify for certain tax treaty benefits. See Pub. 519 for details.

Nonresident aliens and dual-status aliens. These rules also apply if you were a nonresident alien or a dual-status alien and both of the following apply.

- You were married to a U.S. citizen or resident alien at the end of 2018.
 - You elected to be taxed as a resident alien.
- See Pub. 519 for details.

 *Specific rules apply to determine if you are a resident alien, nonresident alien, or dual-status alien. Most nonresident aliens and dual-status aliens have different filing requirements and may have to file Form 1040NR or Form 1040NR-EZ. Pub. 519 discusses these requirements and other information to help aliens comply with U.S. tax law.*

When and Where Should You File?

File Form 1040 by **April 15, 2019**. (If you live in Maine or Massachusetts, you have until April 17, 2019, because of the Patriots' Day holiday in Maine and Massachusetts and the Emancipation Day holiday in the District of Columbia.) If you file after this date, you may have to

pay interest and penalties. See *Interest and Penalties*, later.

If you were serving in, or in support of, the U.S. Armed Forces in a designated combat zone or contingency operation, you may be able to file later. See Pub. 3 for details.

If you *e-file* your return, there is no need to mail it. However, if you choose to mail it, filing instructions and addresses are at the end of these instructions.

What if You Can't File on Time?

You can get an automatic 6-month extension if, no later than the date your return is due, you file Form 4868. For details, see Form 4868. Instead of filing Form 4868, you can apply for an automatic extension by making an electronic payment by the due date of your return.

 *An automatic 6-month extension to file doesn't extend the time to pay your tax. If you don't pay your tax by the original due date of your return, you will owe interest on the unpaid tax and may owe penalties. See Form 4868.*

If you are a U.S. citizen or resident alien, you may qualify for an automatic extension of time to file without filing Form 4868. You qualify if, on the due date of your return, you meet one of the following conditions.

- You live outside the United States and Puerto Rico and your main place of business or post of duty is outside the United States and Puerto Rico.
- You are in military or naval service on duty outside the United States and Puerto Rico.

This extension gives you an extra 2 months to file and pay the tax, but interest will be charged from the original due date of the return on any unpaid tax. You must include a statement showing that you meet the requirements. If you

are still unable to file your return by the end of the 2-month period, you can get an additional 4 months if, no later than June 17, 2019, you file Form 4868. This 4-month extension of time to file doesn't extend the time to pay your tax. See Form 4868.

Private Delivery Services

If you choose to mail your return, you can use certain private delivery services designated by the IRS to meet the "timely mailing treated as timely filing/paying" rule for tax returns and payments. These private delivery services include only the following.

- FedEx First Overnight, FedEx Priority Overnight, FedEx Standard Overnight, FedEx 2 Day, FedEx International Next Flight Out, FedEx International Priority, FedEx International First, and FedEx International Economy.

- DHL Express 9:00, DHL Express 10:30, DHL Express 12:00, DHL Express Worldwide, DHL Express Envelope, DHL Import Express 10:30, DHL Import Express 12:00, and DHL Import Express Worldwide.

- UPS Next Day Air Early A.M., UPS Next Day Air, UPS Next Day Air Saver, UPS 2nd Day Air, UPS 2nd Day

Air A.M., UPS Worldwide Express Plus, and UPS Worldwide Express.

To check for any updates to the list of designated private delivery services, go to [IRS.gov/PDS](https://www.irs.gov/PDS). For the IRS mailing address to use if you're using a private delivery service, go to [IRS.gov/PDS/StreetAddresses](https://www.irs.gov/PDS/StreetAddresses).

The private delivery service can tell you how to get written proof of the mailing date.

Chart A—For Most People

IF your filing status is . . .	AND at the end of 2018 you were* . . .	THEN file a return if your gross income** was at least . . .
Single	under 65	\$12,000
	65 or older	13,600
Married filing jointly***	under 65 (both spouses)	\$24,000
	65 or older (one spouse)	25,300
	65 or older (both spouses)	26,600
Married filing separately	any age	\$5
Head of household	under 65	\$18,000
	65 or older	19,600
Qualifying widow(er)	under 65	\$24,000
	65 or older	25,300

*If you were born on January 1, 1954, you are considered to be age 65 at the end of 2018. (If your spouse died in 2018 or if you are preparing a return for someone who died in 2018, see Pub. 501.)

****Gross income** means all income you received in the form of money, goods, property, and services that isn't exempt from tax, including any income from sources outside the United States or from the sale of your main home (even if you can exclude part or all of it). Don't include any social security benefits unless (a) you are married filing a separate return and you lived with your spouse at any time in 2018 or (b) one-half of your social security benefits plus your other gross income and any tax-exempt interest is more than \$25,000 (\$32,000 if married filing jointly). If (a) or (b) applies, see the instructions for lines 5a and 5b to figure the taxable part of social security benefits you must include in gross income. Gross income includes gains, but not losses, reported on Form 8949 or Schedule D. Gross income from a business means, for example, the amount on Schedule C, line 7, or Schedule F, line 9. But, in figuring gross income, don't reduce your income by any losses, including any loss on Schedule C, line 7, or Schedule F, line 9.

***If you didn't live with your spouse at the end of 2018 (or on the date your spouse died) and your gross income was at least \$5, you must file a return regardless of your age.

Chart B—For Children and Other Dependents (See *Who Qualifies as Your Dependent*, later.)

If your parent (or someone else) can claim you as a dependent, use this chart to see if you must file a return.

In this chart, **unearned income** includes taxable interest, ordinary dividends, and capital gain distributions. It also includes unemployment compensation, taxable social security benefits, pensions, annuities, and distributions of unearned income from a trust. **Earned income** includes salaries, wages, tips, professional fees, and taxable scholarship and fellowship grants. **Gross income** is the total of your unearned and earned income.

Single dependents. Were you **either** age 65 or older **or** blind?

- No.** You must file a return if **any** of the following apply.
 - Your unearned income was over \$1,050.
 - Your earned income was over \$12,000.
 - Your gross income was more than the **larger** of—
 - \$1,050, or
 - Your earned income (up to \$11,650) plus \$350.
- Yes.** You must file a return if **any** of the following apply.
 - Your unearned income was over \$2,650 (\$4,250 if 65 or older **and** blind).
 - Your earned income was over \$13,600 (\$15,200 if 65 or older **and** blind).
 - Your gross income was more than the **larger** of—
 - \$2,650 (\$4,250 if 65 or older **and** blind), or
 - Your earned income (up to \$11,650) plus \$1,950 (\$3,550 if 65 or older **and** blind).

Married dependents. Were you **either** age 65 or older **or** blind?

- No.** You must file a return if **any** of the following apply.
 - Your unearned income was over \$1,050.
 - Your earned income was over \$12,000.
 - Your gross income was at least \$5 and your spouse files a separate return and itemizes deductions.
 - Your gross income was more than the **larger** of—
 - \$1,050, or
 - Your earned income (up to \$11,650) plus \$350.
- Yes.** You must file a return if **any** of the following apply.
 - Your unearned income was over \$2,350 (\$3,650 if 65 or older **and** blind).
 - Your earned income was over \$13,300 (\$14,600 if 65 or older **and** blind).
 - Your gross income was at least \$5 and your spouse files a separate return and itemizes deductions.
 - Your gross income was more than the **larger** of—
 - \$2,350 (\$3,650 if 65 or older **and** blind), or
 - Your earned income (up to \$11,650) plus \$1,650 (\$2,950 if 65 or older **and** blind).

Chart C—Other Situations When You Must File

You must file a return if any of the seven conditions below apply for 2018.	
1.	You owe any special taxes, including any of the following. <ol style="list-style-type: none">a. Alternative minimum tax.b. Additional tax on a qualified plan, including an individual retirement arrangement (IRA), or other tax-favored account. But if you are filing a return only because you owe this tax, you can file Form 5329 by itself.c. Household employment taxes. But if you are filing a return only because you owe this tax, you can file Schedule H by itself.d. Social security and Medicare tax on tips you didn't report to your employer or on wages you received from an employer who didn't withhold these taxes.e. Write-in taxes, including uncollected social security and Medicare or RRTA tax on tips you reported to your employer or on group-term life insurance and additional taxes on health savings accounts. See the instructions for Schedule 4, line 62.f. Recapture taxes. See the instructions for line 11a and Schedule 4, lines 60b and 62.
2.	You (or your spouse, if filing jointly) received health savings account, Archer MSA, or Medicare Advantage MSA distributions.
3.	You had net earnings from self-employment of at least \$400.
4.	You had wages of \$108.28 or more from a church or qualified church-controlled organization that is exempt from employer social security and Medicare taxes.
5.	Advance payments of the premium tax credit were made for you, your spouse, or a dependent who enrolled in coverage through the Marketplace. You or whoever enrolled you should have received Form(s) 1095-A showing the amount of the advance payments.
6.	Advance payments of the health coverage tax credit were made for you, your spouse, or a dependent. You or whoever enrolled you should have received Form(s) 1099-H showing the amount of the advance payments.
7.	You are required to include amounts in income under section 965 or you have a net tax liability under section 965 that you are paying in installments under section 965(h) or deferred by making an election under section 965(i).

Where To Report Certain Items From 2018 Forms W-2, 1095, 1097, 1098, and 1099

File electronically. You may be eligible for free tax software that will take the guesswork out of preparing your return. Free File makes available free brand-name software and free *e-file*. Visit [IRS.gov/FreeFile](https://www.irs.gov/FreeFile) for details.

If any federal income tax withheld is shown on these forms, include the tax withheld on Form 1040, line 16. If any state or local income tax withheld is shown on these forms and you deduct state and local income taxes on Schedule A, line 5a, include the tax withheld in your deduction on that line.

Form	Item and Box in Which It Should Appear	Where To Report
W-2	Wages, tips, other compensation (box 1)	Form 1040, line 1
	Allocated tips (box 8)	See <i>Wages, Salaries, Tips, etc.</i>
	Dependent care benefits (box 10)	Form 2441, Part III
	Adoption benefits (box 12, code T)	Form 8839, line 20
	Employer contributions to an Archer MSA (box 12, code R)	Form 8853, line 1
	Employer contributions to a health savings account (box 12, code W)	Form 8889, line 9
	Uncollected social security and Medicare or RRTA tax (box 12, code A, B, M, or N)	See the instructions for Schedule 4, line 62
W-2G	Reportable winnings (box 1)	Schedule 1, line 21 (Schedule C or C-EZ for professional gamblers)
1095-A	Advance payment of premium tax credit (line 33, column c)	See Form 8962 and its instructions
1097-BTC	Bond tax credit	See Form 8912 and its instructions
1098	Mortgage interest (box 1)	Schedule A, line 8a, but first see the instructions on Form 1098*
	Refund of overpaid interest (box 4)	Schedule 1, line 21, but first see the instructions on Form 1098*
	Points (box 6)	Schedule A, line 8a, but first see the instructions on Form 1098*
1098-C	Contributions of motor vehicles, boats, and airplanes	Schedule A, line 12
1098-E	Student loan interest (box 1)	See the instructions for Schedule 1, line 33*
1098-MA	Homeowner mortgage payments (box 3)	Schedule A, but first see the instructions on Form 1098-MA
1099-A	Acquisition or abandonment of secured property	See Pub. 4681
1099-B	Sales price of stocks, bonds, etc. (box 1d), cost or other basis (box 1e), and adjustments (boxes 1f and 1g)	Form 8949 or Schedule D, whichever applies; see the Instructions for Form 8949
	Aggregate profit or (loss) on contracts (box 11)	Form 6781, line 1
	Bartering (box 13)	See Pub. 525
1099-C	Canceled debt (box 2)	See Pub. 4681
1099-DIV	Total ordinary dividends (box 1a)	Form 1040, line 3b
	Qualified dividends (box 1b)	See the instructions for Form 1040, line 3a
	Total capital gain distributions (box 2a)	Schedule 1, line 13, or, if required, Schedule D, line 13
	Unrecaptured section 1250 gain (box 2b)	See the instructions for Schedule D, line 19
	Section 1202 gain (box 2c)	See <i>Exclusion of Gain on Qualified Small Business (QSB) Stock</i> in the instructions for Schedule D
	Collectibles (28%) gain (box 2d)	See the instructions for Schedule D, line 18
	Nondividend distributions (box 3)	See the instructions for Form 1040, line 3b
	Foreign tax paid (box 6)	Schedule 3, line 48, or Schedule A, line 6; but first see the instructions for Schedule 3, line 48
	Exempt-interest dividends (box 10)	Form 1040, line 2a
Specified private activity bond interest dividends (box 11)	Form 6251, line 2g	
1099-G	Unemployment compensation (box 1)	See the instructions for Schedule 1, line 19
	State or local income tax refunds, credits, or offsets (box 2)	See the instructions for Schedule 1, line 10, and if box 8 on Form 1099-G is checked, see the box 8 instructions
	RTAA payments (box 5)	Schedule 1, line 21
	Taxable grants (box 6)	Schedule 1, line 21*
	Agriculture payments (box 7)	See the Instructions for Schedule F or Pub. 225*
	Market gain (box 9)	See the Instructions for Schedule F

*If the item relates to an activity for which you are required to file Schedule C, C-EZ, E, or F or Form 4835, report the taxable or deductible amount allocable to the activity on that schedule or form instead.

Form	Item and Box in Which It Should Appear	Where To Report
1099-INT	Interest income (box 1) Early withdrawal penalty (box 2) Interest on U.S. savings bonds and Treasury obligations (box 3) Foreign tax paid (box 6) Tax-exempt interest (box 8) Specified private activity bond interest (box 9) Market discount (box 10) Bond premium (box 11), bond premium on Treasury obligations (box 12), and bond premium on tax-exempt bond (box 13)	See the instructions on Form 1099-INT Schedule 1, line 30 See the instructions on Form 1099-INT and the instructions for Form 1040, line 2b Schedule 3, line 48, or Schedule A, line 6; but first see the instructions for Schedule 3, line 48 Form 1040, line 2a Form 6251, line 2g Form 1040, line 2b See the instructions on Form 1099-INT and Pub. 550
1099-K	Payment card and third party network transactions	Schedule C, C-EZ, E, or F
1099-LTC	Long-term care and accelerated death benefits	See Pub. 525 and the Instructions for Form 8853
1099-MISC	Rents (box 1) Royalties (box 2) Other income (box 3) Nonemployee compensation (box 7) Excess golden parachute payments (box 13) Other (boxes 5, 6, 8, 9, 10, 14, and 15b)	See the Instructions for Schedule E* See the Instructions for Schedule E* (for timber, coal, and iron ore royalties, see Pub. 544)* Schedule 1, line 21* Schedule C, C-EZ, or F; but if you were not self-employed, see the instructions on Form 1099-MISC See the instructions for Schedule 4, line 62 See the instructions on Form 1099-MISC
1099-OID	Original issue discount (box 1) Other periodic interest (box 2) } Early withdrawal penalty (box 3) Market discount (box 5) Acquisition premium (box 6) Original issue discount on U.S. Treasury obligations (box 8) Bond premium (box 10) Tax-exempt OID (box 11)	See the instructions on Form 1099-OID Schedule 1, line 30 Form 1040, line 2b See the instructions on Form 1099-OID and Pub. 550 See the instructions on Form 1099-OID See the instructions on Form 1099-OID and Pub. 550 Form 1040, line 2a, but first see the instructions on Form 1099-OID
1099-PATR	Patronage dividends and other distributions from a cooperative (boxes 1, 2, 3, and 5) Credits and other deductions (boxes 7, 8, and 10) Patron's AMT adjustment (box 9)	Schedule C, C-EZ, or F or Form 4835; but first see the instructions on Form 1099-PATR See the instructions on Form 1099-PATR Form 6251, line 3
1099-Q	Qualified education program payments	See the instructions for Schedule 1, line 21
1099-QA	Distributions from ABLE accounts	See the instructions for Schedule 1, line 21, Form 5329, and Pub. 907
1099-R	Distributions from IRAs** Distributions from pensions, annuities, etc. Capital gain (box 3) Disability income with code 3 in box 7	See the instructions for Form 1040, lines 4a and 4b See the instructions for Form 1040, lines 4a and 4b See the instructions on Form 1099-R See the instructions for Form 1040, line 1
1099-S	Gross proceeds from real estate transactions (box 2) Buyer's part of real estate tax (box 6)	Form 4797, Form 6252, Form 8824, or Form 8949 See the instructions for Schedule A, line 5b*
1099-SA	Distributions from health savings accounts (HSAs) Distributions from MSAs***	Form 8889, line 14a Form 8853
SSA-1099	Social security benefits	See the instructions for lines 5a and 5b
RRB-1099	Railroad retirement benefits	See the instructions for lines 5a and 5b
*If the item relates to an activity for which you are required to file Schedule C, C-EZ, E, or F or Form 4835, report the taxable or deductible amount allocable to the activity on that schedule or form instead.		
**This includes distributions from Roth, SEP, and SIMPLE IRAs.		
***This includes distributions from Archer and Medicare Advantage MSAs.		

Line Instructions for Form 1040



Also see the instructions for Schedule 1 through Schedule 6 that follow the Form 1040 instructions.

Free File makes available free brand-name software and free e-file. Visit [IRS.gov/FreeFile](https://www.irs.gov/FreeFile) for details and to see if you are eligible.

Fiscal year filers. If you are a fiscal year filer using a tax year other than January 1 through December 31, 2018, write “Tax Year” and the beginning and ending months of your fiscal year in the top margin of page 1 of Form 1040.

Write-in information. If you need to write a word, code and/or dollar amount on Form 1040 to explain an item of income or deduction, but don't have enough space to enter the word, code and/or dollar amount, you can put an asterisk next to the applicable line number and put a footnote at the bottom of page 2 of Form 1040 indicating the line number and the word, code and/or dollar amount you need to enter.

For example, if you received wages as a household employee and didn't receive a W-2 because you were paid only \$2,000, the instructions for line 1 state that you must enter “HSH” and the amount of the wages next to line 7. You may instead put an asterisk next to line 7 and in the white space at the bottom of page 2 of Form 1040 enter “*Line 7: HSH \$2,000.”

Section references are to the Internal Revenue Code.

Filing Status

Check only the filing status that applies to you. The ones that will usually give you the lowest tax are listed last.

- Married filing separately.
- Single.
- Head of household.
- Married filing jointly.
- Qualifying widow(er).

For information about marital status, see Pub. 501.



More than one filing status can apply to you. You can choose the one that will give you the lowest tax.

Single

You can check the “Single” box at the top of Form 1040 if any of the following was true on December 31, 2018.

- You were never married.
- You were legally separated according to your state law under a decree of divorce or separate maintenance. But if, at the end of 2018, your divorce wasn't final (an interlocutory decree), you are considered married and can't check the box.

• You were widowed before January 1, 2018, and didn't remarry before the end of 2018. But if you have a child, you may be able to use the qualifying

widow(er) filing status. See the instructions for *Qualifying Widow(er)*, later.

Married Filing Jointly

You can check the “Married filing jointly” box at the top of Form 1040 if any of the following apply.

- You were married at the end of 2018, even if you didn't live with your spouse at the end of 2018.
- Your spouse died in 2018 and you didn't remarry in 2018.
- You were married at the end of 2018, and your spouse died in 2019 before filing a 2018 return.

A married couple filing jointly report their combined income and deduct their combined allowable expenses on one return. They can file a joint return even if only one had income or if they didn't live together all year. However, both persons must sign the return. Once you file a joint return, you can't choose to file separate returns for that year after the due date of the return.

Joint and several tax liability. If you file a joint return, both you and your spouse are generally responsible for the tax and interest or penalties due on the return. This means that if one spouse doesn't pay the tax due, the other may have to. Or, if one spouse doesn't report the correct tax, both spouses may be responsible for any additional taxes as-

sessed by the IRS. You may want to file separately if:

- You believe your spouse isn't reporting all of his or her income, or
- You don't want to be responsible for any taxes due if your spouse doesn't have enough tax withheld or doesn't pay enough estimated tax.

See the instructions for *Married Filing Separately*. Also see *Innocent Spouse Relief* under *General Information*, later.

Nonresident aliens and dual-status aliens. Generally, a married couple can't file a joint return if either spouse is a nonresident alien at any time during the year. However, if you were a nonresident alien or a dual-status alien and were married to a U.S. citizen or resident alien at the end of 2018, you can elect to be treated as a resident alien and file a joint return. See Pub. 519 for details.

Married Filing Separately

Check the “Married filing separately” box at the top of Form 1040 if you are married and file a separate return. Enter your spouse's name in the entry space at the far right of the filing status checkboxes (next to “Qualifying widow(er)”). Be sure to enter your spouse's SSN or ITIN in the space for spouse's SSN on Form 1040. If your spouse doesn't have and isn't required to have an SSN or ITIN, enter “NRA.”

If you are married and file a separate return, you generally report only your own income, deductions, and credits. Generally, you are responsible only for the tax on your own income. Different rules apply to people in community property states; see Pub. 555.

However, you usually will pay more tax than if you use another filing status for which you qualify. Also, if you file a separate return, you can't take the student loan interest deduction, the education credits, or the earned income credit. You also can't take the standard deduction if your spouse itemizes deductions.

TIP You may be able to file as head of household if you had a child living with you and you lived apart from your spouse during the last 6 months of 2018. See *Married persons who live apart*.

Head of Household

You can check the "Head of household" box at the top of Form 1040 if you are unmarried and provide a home for certain other persons. You are considered unmarried for this purpose if any of the following applies.

- You were legally separated according to your state law under a decree of divorce or separate maintenance at the end of 2018. But if, at the end of 2018, your divorce wasn't final (an interlocutory decree), you are considered married.

- You are married but lived apart from your spouse for the last 6 months of 2018 and you meet the other rules under *Married persons who live apart*.

- You are married to a nonresident alien at any time during the year and you don't choose to treat him or her as a resident alien.

Check the "Head of household" box only if you are unmarried (or considered unmarried) and either *Test 1* or *Test 2* applies.

Test 1. You paid over half the cost of keeping up a home that was the main home for all of 2018 of your parent whom you can claim as a dependent, except under a multiple support agreement (see *Who Qualifies as Your Dependent*, later). Your parent didn't have to live with you.

Test 2. You paid over half the cost of keeping up a home in which you lived

and in which one of the following also lived for more than half of the year (if half or less, see *Exception to time lived with you*).

1. Any person whom you can claim as a dependent. But don't include:

- a. Your child whom you claim as your dependent because of the rule for *Children of divorced or separated parents* under *Who Qualifies as Your Dependent*, later,

- b. Any person who is your dependent only because he or she lived with you for all of 2018, or

- c. Any person you claimed as a dependent under a multiple support agreement. See *Who Qualifies as Your Dependent*, later.

2. Your unmarried qualifying child who isn't your dependent.

3. Your married qualifying child who isn't your dependent only because you can be claimed as a dependent on someone else's 2018 return.

4. Your qualifying child who, even though you are the custodial parent, isn't your dependent because of the rule for *Children of divorced or separated parents* under *Who Qualifies as Your Dependent*, later.

If the child isn't claimed as your dependent, enter the child's name in the entry space at the far right of the filing status checkboxes (next to "Qualifying Widow(er)"). If you don't enter the name, it will take us longer to process your return.

Qualifying child. To find out if someone is your qualifying child, see Step 1 under *Who Qualifies as Your Dependent*, later.

Dependent. To find out if someone is your dependent, see *Who Qualifies as Your Dependent*, later.

TIP The dependents you claim are those you list by name and SSN in the Dependents section on Form 1040.

Exception to time lived with you. Temporary absences by you or the other person for special circumstances, such as school, vacation, business, medical care, military service, or detention in a juvenile facility, count as time lived in the home. Also see *Kidnapped child*, lat-

er, under *Who Qualifies as Your Dependent*, if applicable.

If the person for whom you kept up a home was born or died in 2018, you still may be able to file as head of household. If the person is your qualifying child, the child must have lived with you for more than half the part of the year he or she was alive. If the person is anyone else, see Pub. 501.

Keeping up a home. To find out what is included in the cost of keeping up a home, see Pub. 501.

Married persons who live apart. Even if you weren't divorced or legally separated at the end of 2018, you are considered unmarried if all of the following apply.

- You lived apart from your spouse for the last 6 months of 2018. Temporary absences for special circumstances, such as for business, medical care, school, or military service, count as time lived in the home.

- You file a separate return from your spouse.

- You paid over half the cost of keeping up your home for 2018.

- Your home was the main home of your child, stepchild, or foster child for more than half of 2018 (if half or less, see *Exception to time lived with you*, earlier).

- You can claim this child as your dependent or could claim the child except that the child's other parent can claim him or her under the rule for *Children of divorced or separated parents* under *Who Qualifies as Your Dependent*, later.

Adopted child. An adopted child is always treated as your own child. An adopted child includes a child lawfully placed with you for legal adoption.

Foster child. A foster child is any child placed with you by an authorized placement agency or by judgment, decree, or other order of any court of competent jurisdiction.

Qualifying Widow(er)

You can check the "Qualifying widow(er)" box at the top of Form 1040 and use joint return tax rates for 2018 if all of the following apply.

1. Your spouse died in 2016 or 2017 and you didn't remarry before the end of 2018.

2. You have a child or stepchild (not a foster child) whom you can claim as a dependent or could claim as a dependent except that, for 2018:

a. The child had gross income of \$4,150 or more,

b. The child filed a joint return, or

c. You could be claimed as a dependent on someone else's return.

If the child isn't claimed as your dependent, enter the child's name in the entry space at the far right of the filing status checkboxes (next to "Qualifying widow(er)"). If you don't enter the name, it will take us longer to process your return.

3. This child lived in your home for all of 2018. If the child didn't live with you for the required time, see *Exception to time lived with you*, later.

4. You paid over half the cost of keeping up your home.

5. You could have filed a joint return with your spouse the year he or she died, even if you didn't actually do so.

If your spouse died in 2018, you can't file as qualifying widow(er). Instead, see the instructions for *Married Filing Jointly*, earlier.

Adopted child. An adopted child is always treated as your own child. An adopted child includes a child lawfully placed with you for legal adoption.

Dependent. To find out if someone is your dependent, see *Who Qualifies as Your Dependent*, later.

TIP *The dependents you claim are those you list by name and SSN in the Dependents section on Form 1040.*

Exception to time lived with you. Temporary absences by you or the child for special circumstances, such as school, vacation, business, medical care, military service, or detention in a juvenile facility, count as time lived in the home. Also see *Kidnapped child*, later, under *Who Qualifies as Your Dependent*, if applicable.

A child is considered to have lived with you for all of 2018 if the child was

born or died in 2018 and your home was the child's home for the entire time he or she was alive.

Keeping up a home. To find out what is included in the cost of keeping up a home, see Pub. 501.

Name and Address

Print or type the information in the spaces provided. If you are married filing a separate return, enter your spouse's name in the entry space on the far right of the filing status checkboxes (next to "Qualifying widow(er)") instead of below your name.

TIP *If you filed a joint return for 2017 and you are filing a joint return for 2018 with the same spouse, be sure to enter your names and SSNs in the same order as on your 2017 return.*

Name Change

If you changed your name because of marriage, divorce, etc., be sure to report the change to the Social Security Administration (SSA) before filing your return. This prevents delays in processing your return and issuing refunds. It also safeguards your future social security benefits.

Address Change

If you plan to move after filing your return, use Form 8822 to notify the IRS of your new address.

P.O. Box

Enter your box number only if your post office doesn't deliver mail to your home.

Foreign Address

If you have a foreign address, see the "Foreign Address" section in the Schedule 6 instructions.

Death of a Taxpayer

See *Death of a Taxpayer* under *General Information*, later.

Social Security Number (SSN)

An incorrect or missing SSN can increase your tax, reduce your refund, or

delay your refund. To apply for an SSN, fill in Form SS-5 and return it, along with the appropriate evidence documents, to the Social Security Administration (SSA). You can get Form SS-5 online at SSA.gov, from your local SSA office, or by calling the SSA at 1-800-772-1213. It usually takes about 2 weeks to get an SSN once the SSA has all the evidence and information it needs.

Check that both the name and SSN on your Forms 1040, W-2, and 1099 agree with your social security card. If they don't, certain deductions and credits on your Form 1040 may be reduced or disallowed and you may not receive credit for your social security earnings. If your Form W-2 shows an incorrect SSN or name, notify your employer or the form-issuing agent as soon as possible to make sure your earnings are credited to your social security record. If the name or SSN on your social security card is incorrect, call the SSA.

IRS Individual Taxpayer Identification Numbers (ITINs) for Aliens

If you are a nonresident or resident alien and you don't have and aren't eligible to get an SSN, you must apply for an ITIN. It takes about 7 weeks to get an ITIN.

If you already have an ITIN, enter it wherever your SSN is requested on your tax return.

Some ITINs must be renewed. If you haven't used your ITIN on a federal tax return at least once in the last 3 years, or if your ITIN has the middle digits 73, 74, 75, 76, 77, 81, or 82 (9NN-73-NNNN), it expired at the end of 2018 and must be renewed if you need to file a federal tax return in 2019. You don't need to renew your ITIN if you don't need to file a federal tax return. You can find more information at IRS.gov/ITIN.

TIP *ITINs with middle digits 70, 71, 72, 78, 79, or 80 that expired in 2016 or 2017 must also be renewed if you need to file a tax return in 2019 and haven't already renewed the ITIN.*

An ITIN is for tax use only. It doesn't entitle you to social security benefits or

change your employment or immigration status under U.S. law.

For more information on ITINs, including application, expiration, and renewal, see Form W-7 and its instructions.

If you receive an SSN after previously using an ITIN, stop using your ITIN. Use your SSN instead. Visit a local IRS office or write a letter to the IRS explaining that you now have an SSN and want all your tax records combined under your SSN. Details about what to include with the letter and where to mail it are at [IRS.gov/ITIN](https://www.irs.gov/ITIN).

Nonresident Alien Spouse

If your spouse is a nonresident alien, he or she must have either an SSN or an ITIN if:

- You file a joint return, or
- Your spouse is filing a separate return.

Full-year Health Care Coverage or Exempt

For 2018, you must either:

- Have qualifying health care coverage or a coverage exemption for yourself, your spouse (if filing jointly), and anyone you can or do claim as a dependent (you are treated as having coverage for any month in which you have coverage for at least 1 day of the month) that covered all of 2018 or a combination of qualifying health care coverage and coverage exemption(s) for every month of 2018, or
- Make a shared responsibility payment with your return and report it on Schedule 4, line 61. If you can claim any part-year exemptions or exemptions for specific members of your household, use Form 8965. This will reduce the amount of your shared responsibility payment.

 *The dependents you claim are those you list by name and SSN in the Dependents section on Form 1040.*

Check the box if you had qualifying health care coverage (called minimum essential coverage) or a coverage exemption that covered all of 2018 or a combination of qualifying health care

coverage and coverage exemption(s) for yourself, your spouse (if filing jointly), and anyone you can or do claim as a dependent.

You can check the box even if:

- A dependent child who was born or adopted during the year wasn't covered by your insurance or exempt during the month of or months before birth or adoption (but the child must have had minimum essential coverage or a coverage exemption every month of 2018 following the birth or adoption), or
- A spouse or dependent who died during the year wasn't covered by your insurance or exempt during the month of death and months after death (but he or she must have had minimum essential coverage or a coverage exemption every month of 2018 before death).

If you can check the box, you don't have to file Form 8965 to claim any coverage exemptions, including the coverage exemption for household income below the filing threshold in Part II of Form 8965.

If you can be claimed as a dependent on someone else's return, you don't need to check the box, claim a coverage exemption, or report a payment.

If you can't check the box, you generally must report a shared responsibility payment on Schedule 4, line 61, for each month that you, your spouse (if filing jointly), or someone else you can or do claim as a dependent didn't have qualifying health care coverage or a coverage exemption.

See the instructions for Schedule 4, line 61, for information about the individual shared responsibility payment. Also see the Instructions for Form 8965.

Your Standard Deduction and Spouse's Standard Deduction

Single and Married Filing Jointly

If you were born before January 2, 1954, blind at the end of 2018, or can be claimed as a dependent on someone

else's return, check the appropriate box(es) on the line labeled "Your standard deduction" under your name. If you were married and filing a joint return and your spouse was born before January 2, 1954, or was blind at the end of 2018, check the appropriate box(es) on the line labeled "Your spouse standard deduction" under your spouse's name.

If you were a dual-status alien, check the "Spouse itemizes on a separate return or you were a dual-status alien" box on the line labeled "Spouse standard deduction." If you were a dual-status alien and you file a joint return with your spouse who was a U.S. citizen or resident alien at the end of 2018 and you and your spouse agree to be taxed on your combined worldwide income, don't check the box.

Don't check any boxes for your spouse if your filing status is head of household.

Death of spouse in 2018. If your spouse was born before January 2, 1954, but died in 2018 before reaching age 65, don't check the box that says "Spouse was born before January 2, 1954."

A person is considered to reach age 65 on the day before his or her 65th birthday.

Example. Your spouse was born on February 14, 1953, and died on February 13, 2018. Your spouse is considered age 65 at the time of death. Check the appropriate box for your spouse on the line labeled "Spouse standard deduction." However, if your spouse died on February 12, 2018, your spouse isn't considered age 65. Don't check the box.

Death of taxpayer in 2018. If you are preparing a return for someone who died in 2018, see Pub. 501 before completing the standard deduction information.

Blindness

If you weren't totally blind as of December 31, 2018, you must get a statement certified by your eye doctor (ophthalmologist or optometrist) that:

- You can't see better than 20/200 in your better eye with glasses or contact lenses, or
- Your field of vision is 20 degrees or less.

If your eye condition isn't likely to improve beyond the conditions listed above, you can get a statement certified by your eye doctor (ophthalmologist or optometrist) to this effect instead.

You must keep the statement for your records.

Married Filing Separately

If your filing status is married filing separately and your spouse itemizes deductions on his or her return, check the "Spouse itemizes on a separate return or you were a dual-status alien" box on the line labeled "Spouse standard deduction."

If your filing status is married filing separately and your spouse was born before January 2, 1954, or was blind at the end of 2018, you can check the appropriate box(es) on the line labeled "Spouse standard deduction" if your spouse had no income, isn't filing a return, and can't be claimed as a dependent on another person's return.

Presidential Election Campaign Fund

This fund helps pay for Presidential election campaigns. The fund reduces

candidates' dependence on large contributions from individuals and groups and places candidates on an equal financial footing in the general election. The fund also helps pay for pediatric medical research. If you want \$3 to go to this fund, check the box. If you are filing a joint return, your spouse also can have \$3 go to the fund. If you check a box, your tax or refund won't change.

Who Qualifies as Your Dependent

Dependents, Qualifying Child for Child Tax Credit, and Credit for Other Dependents

Follow the steps below to find out if a person qualifies as your dependent, and to find out if your dependent qualifies you to take the child tax credit or the credit for other dependents. If you have more than four dependents, check the box on the right side of page 1 of Form 1040 (just above the *Dependents* section) and include a statement showing the information required in columns (1) through (4).



The dependents you claim are those you list by name and SSN in the Dependents section on Form 1040.

Before you begin. See the definition of *Social security number*, later. If you want to claim the child tax credit or the credit for other dependents, you (and your spouse if filing jointly) must have an SSN or ITIN issued on or before the due date of your 2018 return (including extensions). If an ITIN is applied for on or before the due date of a 2018 return (including extensions) and the IRS issues an ITIN as result of the application, the IRS will consider the ITIN as issued on or before the due date of the return.

Step 1 Do You Have a Qualifying Child?

A qualifying child is a child who is your...

Son, daughter, stepchild, foster child, brother, sister, stepbrother, stepsister, half brother, half sister, or a descendant of any of them (for example, your grandchild, niece, or nephew)

AND

was ...

Under age 19 at the end of 2018 and younger than you
(or your spouse, if filing jointly)

or

Under age 24 at the end of 2018, a student (defined later), and younger than you
(or your spouse, if filing jointly)

or

Any age and permanently and totally disabled (defined later)

AND

Who didn't provide over half of his or her own support for 2018 (see Pub. 501)

AND

Who isn't filing a joint return for 2018
or is filing a joint return for 2018 only to claim a refund of withheld income tax or
estimated tax paid (see Pub. 501 for details and examples)

AND

Who lived with you for more than half of 2018. If the child didn't live with you
for the required time, see *Exception to time lived with you*, later.



If the child meets the conditions to be a qualifying child of any other person (other than your spouse if filing jointly) for 2018, see Qualifying child of more than one person, later.

1. Do you have a child who meets the conditions to be your qualifying child?
 Yes. Go to Step 2. **No.** Go to Step 4.

Step 2 Is Your Qualifying Child Your Dependent?

1. Was the child a U.S. citizen, U.S. national, U.S. resident alien, or a resident of Canada or Mexico? (See Pub. 519 for

the definition of a U.S. national or U.S. resident alien. If the child was adopted, see *Exception to citizen test*, later.)

Yes. Continue →

No. 

You can't claim this child as a dependent.

2. Was the child married?

Yes. See *Married person*, later.

No. Continue →

3. Could you, or your spouse if filing jointly, be claimed as a dependent on someone else's 2018 tax return? See Steps 1, 2, and 4.

Yes. 

You can't claim any dependents. Complete the rest of Form 1040 and any applicable schedules.

No. You can claim this child as a dependent. Complete columns (1) through (3) of the *Dependents* section for this child. Then, go to Step 3.

Step 3 Does Your Qualifying Child Qualify You for the Child Tax Credit or Credit for Other Dependents?

1. Did the child have an SSN, ITIN, or ATIN issued on or before the due date of your return (including extensions)? (Answer "Yes" if you are applying for an ITIN or ATIN for the child on or before the due date of your return (including extensions).)

Yes. Continue →

No. 

You can't claim the child tax credit or the credit for other dependents for this child.

2. Was the child a U.S. citizen, U.S. national, or U.S. resident alien? (See Pub. 519 for the definition of a U.S. national or U.S. resident alien. If the child was adopted, see *Exception to citizen test*, later.)

Yes. Continue →

No. 

You can't claim the child tax credit or the credit for other dependents for this child.

3. Was the child under age 17 at the end of 2018?

Yes. Continue →

No. You can claim the credit for other dependents for this child. Check the "credit for other dependents" box in column (4) of the *Dependents* section for this person.

4. Did this child have an SSN valid for employment issued before the due date of your 2018 return (including extensions)? (See *Social Security Number*, later.)

Yes. You can claim the child tax credit for this person. Check the "child tax credit" box in column (4) of the *Dependents* section for this person.

No. 

You can claim the credit for other dependents for this child. Check the "credit for other dependents" box in column (4) of the *Dependents* section for this person.

Step 4 Is Your Qualifying Relative Your Dependent?

A qualifying relative is a person who is your...

Son, daughter, stepchild, foster child, or a descendant of any of them (for example, your grandchild)

or

Brother, sister, half brother, half sister, or a son or daughter of any of them (for example, your niece or nephew)

or

Father, mother, or an ancestor or sibling of either of them (for example, your grandmother, grandfather, aunt, or uncle)

or

Stepbrother, stepsister, stepfather, stepmother, son-in-law, daughter-in-law, father-in-law, mother-in-law, brother-in-law, or sister-in-law

or

Any other person (other than your spouse) who lived with you all year as a member of your household if your relationship didn't violate local law. If the person didn't live with you for the required time, see *Exception to time lived with you*, later.

AND

Who wasn't a qualifying child (see Step 1) of any taxpayer for 2018. For this purpose, a person isn't a taxpayer if he or she isn't required to file a U.S. income tax return **and** either doesn't file such a return or files only to get a refund of withheld income tax or estimated tax paid. See Pub. 501 for details and examples.

AND

Who had gross income of less than \$4,150 in 2018. If the person was permanently and totally disabled, see *Exception to gross income test*, later.

AND

For whom you provided over half of his or her support in 2018. But see *Children of divorced or separated parents*, *Multiple support agreements*, and *Kidnapped child*, later.

1. Does any person meet the conditions to be your qualifying relative?

Yes. Continue →

No. 

2. Was your qualifying relative a U.S. citizen, U.S. national, U.S. resident alien, or a resident of Canada or Mexico? (See Pub. 519 for the definition of a U.S. national or U.S. resident alien. If your qualifying relative was adopted, see *Exception to citizen test*, later.)

Yes. Continue →

No. 

You can't claim this person as a dependent.

3. Was your qualifying relative married?

Yes. See *Married person*, later.

No. Continue →

4. Could you, or your spouse if filing jointly, be claimed as a dependent on someone else's 2018 tax return? See Steps 1, 2, and 4.

Yes. 

You can't claim any dependents. Complete the rest of Form 1040 and any applicable schedules.

No. You can claim this person as a dependent. Complete columns (1) through (3) of the *Dependents* section. Then go to Step 5.

Step 5 Does Your Qualifying Relative Qualify You for the Credit for Other Dependents?

1. Did your qualifying relative have an SSN, ITIN, or adoption taxpayer identification number (ATIN) issued on or before the due date of your 2018 return (including extensions)? (Answer "Yes" if you are applying for an ITIN or ATIN for the qualifying relative on or before the return due date (including extensions).)

Yes. Continue →

No. 

You can't claim the credit for other dependents for this qualifying relative.

2. Was your qualifying relative a U.S. citizen, U.S. national, or U.S. resident alien? (See Pub. 519 for the definition of a U.S. national or a U.S. resident alien. If your qualifying relative was adopted, see *Exception to citizenship test*, later.)

Yes. You can claim the credit for other dependents for this dependent. Check the "credit for other dependents" box in column (4) of the *Dependents* section for this person.

No. 

You can't claim the credit for other dependents for this qualifying relative.

Definitions and Special Rules

Adopted child. An adopted child is always treated as your own child. An adopted child includes a child lawfully placed with you for legal adoption.

Adoption taxpayer identification numbers (ATINs). If you have a dependent who was placed with you for legal adoption and you don't know his or her SSN, you must get an ATIN for the dependent from the IRS. See Form W-7A for details. If the dependent isn't a U.S. citizen or resident alien, apply for an ITIN instead, using Form W-7.

Children of divorced or separated parents. A child will be treated as the qualifying child or qualifying relative of his or her noncustodial parent (defined later) if all of the following conditions apply.

1. The parents are divorced, legally separated, separated under a written separation agreement, or lived apart at all times during the last 6 months of 2018 (whether or not they are or were married).

2. The child received over half of his or her support for 2018 from the parents (and the rules on *Multiple support agreements*, later, don't apply). Support of a child received from a parent's spouse is treated as provided by the parent.

3. The child is in custody of one or both of the parents for more than half of 2018.

4. Either of the following applies.

a. The custodial parent signs Form 8332 or a substantially similar statement that he or she won't claim the child as a dependent for 2018, and the noncustodial parent includes a copy of the form or statement with his or her return. If the divorce decree or separation agreement went into effect after 1984 and before 2009, the noncustodial parent may be able to include certain pages from the decree or agreement instead of Form 8332. See *Post-1984 and pre-2009 decree or agreement* and *Post-2008 decree or agreement*.

b. A pre-1985 decree of divorce or separate maintenance or written separation agreement between the parents provides that the noncustodial parent can claim the child as a dependent, and the noncustodial parent provides at least \$600 for support of the child during 2018.

If conditions (1) through (4) apply, only the noncustodial parent can claim the child for purposes of the child tax credits and credit for other dependents (lines 12a and 17b). However, this doesn't allow the noncustodial parent to claim head of household filing status, the credit for child and dependent care expenses, the exclusion for dependent care benefits, the earned income credit, or the health coverage tax credit. The custodial parent or another taxpayer, if eligible, can claim the child for the earned income credit and these other benefits. See Pub. 501 for details.

Custodial and noncustodial parents. The custodial parent is the parent with whom the child lived for the greater number of nights in 2018. The noncustodial parent is the other parent. If the child was with each parent for an equal number of nights,

the custodial parent is the parent with the higher adjusted gross income. See Pub. 501 for an exception for a parent who works at night, rules for a child who is emancipated under state law, and other details.

Post-1984 and pre-2009 decree or agreement. The decree or agreement must state all three of the following.

1. The noncustodial parent can claim the child as a dependent without regard to any condition, such as payment of support.
2. The other parent won't claim the child as a dependent.
3. The years for which the claim is released.

The noncustodial parent must include all of the following pages from the decree or agreement.

- Cover page (include the other parent's SSN on that page).
- The pages that include all the information identified in (1) through (3) above.
- Signature page with the other parent's signature and date of agreement.



You must include the required information even if you filed it with your return in an earlier year.

Post-2008 decree or agreement. If the divorce decree or separation agreement went into effect after 2008, the noncustodial parent can't include pages from the decree or agreement instead of Form 8332. The custodial parent must sign either Form 8332 or a substantially similar statement the only purpose of which is to release the custodial parent's claim to certain tax benefits for a child, and the noncustodial parent must include a copy with his or her return. The form or statement must release the custodial parent's claim to the child without any conditions. For example, the release must not depend on the noncustodial parent paying support.

Release of certain tax benefits revoked. A custodial parent who has revoked his or her previous release of a claim to certain tax benefits for a child must include a copy of the revocation with his or her return. For details, see Form 8332.

Exception to citizen test. If you are a U.S. citizen or U.S. national and your adopted child lived with you all year as a member of your household, that child meets the requirement to be a U.S. citizen in Step 2, question 1; Step 3, question 2; Step 4, question 2; and Step 5, question 2.

Exception to gross income test. If your relative (including a person who lived with you all year as a member of your household) is permanently and totally disabled (defined later), certain income for services performed at a sheltered workshop may be excluded for this test. For details, see Pub. 501.

Exception to time lived with you. Temporary absences by you or the other person for special circumstances, such as school, vacation, business, medical care, military service, or detention in a juvenile facility, count as time the person lived with you. Also see *Children of divorced or separated parents*, earlier, or *Kidnapped child*, later.

If the person meets all other requirements to be your qualifying child but was born or died in 2018, the person is considered to have lived with you for more than half of 2018 if your home

was this person's home for more than half the time he or she was alive in 2018.

Any other person is considered to have lived with you for all of 2018 if the person was born or died in 2018 and your home was this person's home for the entire time he or she was alive in 2018.

Foster child. A foster child is any child placed with you by an authorized placement agency or by judgment, decree, or other order of any court of competent jurisdiction.

Kidnapped child. If your child is presumed by law enforcement authorities to have been kidnapped by someone who isn't a family member, you may be able to take the child into account in determining your eligibility for head of household or qualifying widow(er) filing status, the child tax credit, the credit for other dependents, and the earned income credit (EIC). For details, see Pub. 501 (Pub. 596 for the EIC).

Married person. If the person is married and files a joint return, you can't claim that person as your dependent. However, if the person is married but doesn't file a joint return or files a joint return only to claim a refund of withheld income tax or estimated tax paid, you may be able to claim him or her as a dependent. (See Pub. 501 for details and examples.) In that case, go to Step 2, question 3 (for a qualifying child) or Step 4, question 4 (for a qualifying relative).

Multiple support agreements. If no one person contributed over half of the support of your relative (or a person who lived with you all year as a member of your household) but you and another person(s) provided more than half of your relative's support, special rules may apply that would treat you as having provided over half of the support. For details, see Pub. 501.

Permanently and totally disabled. A person is permanently and totally disabled if, at any time in 2018, the person can't engage in any substantial gainful activity because of a physical or mental condition and a doctor has determined that this condition has lasted or can be expected to last continuously for at least a year or can be expected to lead to death.

Public assistance payments. If you received payments under the Temporary Assistance for Needy Families (TANF) program or other public assistance program and you used the money to support another person, see Pub. 501.

Qualifying child of more than one person. Even if a child meets the conditions to be the qualifying child of more than one person, only one person can claim the child as a qualifying child for all of the following tax benefits, unless the special rule for *Children of divorced or separated parents*, described earlier, applies.

1. Child tax credit and credit for other dependents (line 12a) and additional child tax credit (line 17b).
2. Head of household filing status.
3. Credit for child and dependent care expenses (Schedule 3, line 49).
4. Exclusion for dependent care benefits (Form 2441, Part III).
5. Earned income credit (line 17a).

No other person can take any of the five tax benefits just listed based on the qualifying child. If you and any other person can claim the child as a qualifying child, the following rules apply.

- If only one of the persons is the child's parent, the child is treated as the qualifying child of the parent.
- If the parents file a joint return together and can claim the child as a qualifying child, the child is treated as the qualifying child of the parents.
- If the parents don't file a joint return together but both parents claim the child as a qualifying child, the IRS will treat the child as the qualifying child of the parent with whom the child lived for the longer period of time in 2018. If the child lived with each parent for the same amount of time, the IRS will treat the child as the qualifying child of the parent who had the higher adjusted gross income (AGI) for 2018.
- If no parent can claim the child as a qualifying child, the child is treated as the qualifying child of the person who had the highest AGI for 2018.
- If a parent can claim the child as a qualifying child but no parent does so claim the child, the child is treated as the qualifying child of the person who had the highest AGI for 2018, but only if that person's AGI is higher than the highest AGI of any parent of the child who can claim the child.

Example. Your daughter meets the conditions to be a qualifying child for both you and your mother. Your daughter doesn't meet the conditions to be a qualifying child of any other person, including her other parent. Under the rules just described, you can claim your daughter as a qualifying child for all of the five tax benefits just listed for which you otherwise qualify. Your mother can't claim any of those five tax benefits based on your daughter. However, if your mother's AGI is higher than yours and you do not claim your daughter as a qualifying child, your daughter is the qualifying child of your mother.

For more details and examples, see Pub. 501.

If you will be claiming the child as a qualifying child, go to Step 2. Otherwise, stop; you can't claim any benefits based on this child.

Social security number. You must enter each dependent's social security number (SSN). Be sure the name and SSN entered agree with the dependent's social security card. Otherwise, at the time we process your return, we may reduce or disallow any

tax benefits (such as the child tax credit) based on that dependent. If the name or SSN on the dependent's social security card isn't correct or you need to get an SSN for your dependent, contact the Social Security Administration. See *Social Security Number (SSN)*, earlier. If your dependent won't have a number by the date your return is due, see *What if You Can't File on Time?* earlier.

For the child tax credit, your child must have the required SSN. The required SSN is one that is valid for employment and that is issued by the Social Security Administration before the due date of your 2018 return (including extensions). If your child was a U.S. citizen when the child received the SSN, the SSN is valid for employment. If "Not Valid for Employment" is printed on your child's social security card and your child's immigration status has changed so that your child is now a U.S. citizen or permanent resident, ask the SSA for a new social security card without the legend. However, if "Valid for Work Only With DHS Authorization" is printed on your child's social security card, your child has the required SSN only as long as the DHS authorization is valid.

If your dependent child was born and died in 2018 and you do not have an SSN for the child, enter "Died" in column (2) of the *Dependents* section and include a copy of the child's birth certificate, death certificate, or hospital records. The document must show the child was born alive.

If you, or your spouse if filing jointly, didn't have an SSN (or ITIN) issued on or before the due date of your 2018 return (including extensions), you can't claim the child tax credit or the credit for other dependents on your original or an amended 2018 return.

If you apply for an ITIN on or before the due date of your 2018 return (including extensions) and the IRS issues you an ITIN as a result of the application, the IRS will consider your ITIN as issued on or before the due date of your return.

Student. A student is a child who during any part of 5 calendar months of 2018 was enrolled as a full-time student at a school, or took a full-time, on-farm training course given by a school or a state, county, or local government agency. A school includes a technical, trade, or mechanical school. It doesn't include an on-the-job training course, correspondence school, or school offering courses only through the Internet.

Sign Your Return

Form 1040 isn't considered a valid return unless you sign it. If you are filing a joint return, your spouse also must sign. If your spouse can't sign the return, see Pub. 501. Be sure to date your return and enter your occupation(s). If you have someone prepare your return, you are still responsible for the correctness of the return. If your return is signed by a representative for you, you must have a power of attorney attached that specifically authorizes the representative to sign your return. To do this, you can use Form 2848. If you are filing a joint return as a surviving spouse, see *Death of a Taxpayer*, later.

Court-Appointed Conservator, Guardian, or Other Fiduciary

If you are a court-appointed conservator, guardian, or other fiduciary for a mentally or physically incompetent individual who has to file Form 1040, sign your name for the individual and file Form 56.

Child's Return

If your child can't sign his or her return, either parent can sign the child's name in the space provided. Then, enter "By (your signature), parent for minor child."

Electronic Return Signatures

To file your return electronically, you must sign the return electronically using a personal identification number (PIN). If you are filing online using software, you must use a Self-Select PIN. If you are filing electronically using a tax practitioner, you can use a Self-Select PIN or a Practitioner PIN.

Self-Select PIN. The Self-Select PIN method allows you to create your own PIN. If you are married filing jointly, you and your spouse will each need to create a PIN and enter these PINs as your electronic signatures.

A PIN is any combination of five digits you choose except five zeros. If you use a PIN, there is nothing to sign and nothing to mail—not even your Forms W-2.

To verify your identity, you will be prompted to enter your date of birth and your adjusted gross income (AGI) from your originally filed 2017 federal income tax return, if applicable. Don't use your AGI from an amended return (Form 1040X) or a math error correction made by the IRS. AGI is the amount shown on your 2017 Form 1040, line 38; Form 1040A, line 22; or Form 1040EZ, line 4. If you don't have your 2017 income tax return, call the IRS at 1-800-908-9946 to get a free transcript of your return or visit [IRS.gov/Transcript](https://www.irs.gov/Transcript). (If you filed electronically last year, you may use your prior year PIN to verify your identity instead of your prior year AGI. The prior year PIN is the five-digit PIN you used to electronically sign your 2017 return.)



You can't use the Self-Select PIN method if you are a first-time filer under age 16 at the end of 2018.

Practitioner PIN. The Practitioner PIN method allows you to authorize your tax practitioner to enter or generate your PIN. The practitioner can provide you with details.

Form 8453. You must send in a paper Form 8453 if you have to attach certain forms or other documents that can't be electronically filed. See Form 8453.

Identity Protection PIN

For 2018, if you received an Identity Protection Personal Identification Number (IP PIN) from the IRS, enter it in the IP PIN spaces provided next to the space for your occupation. You must correctly enter all six numbers of your IP PIN. If you didn't receive an IP PIN, leave these spaces blank.



New IP PINs are issued every year. Enter the latest IP PIN you received. IP PINs for 2018 tax returns generally were sent in December 2018.

If you are filing a joint return and both taxpayers receive an IP PIN, enter both IP PINs in the spaces provided.

If you need more information, go to [IRS.gov/CP01A](https://www.irs.gov/CP01A). If you received an IP

PIN but misplaced it, call 1-800-908-4490.

Paid Preparer Must Sign Your Return

Generally, anyone you pay to prepare your return must sign it and include their Preparer Tax Identification Number (PTIN) in the space provided. The preparer must give you a copy of the return for your records. Someone who prepares your return but doesn't charge you shouldn't sign your return.

If your paid preparer is self-employed, then he or she should check the "self-employed" checkbox.

If you want to allow your paid preparer to be able to discuss your return with the IRS, check the "3rd Party Designee" checkbox.

If you check the "3rd Party Designee" box, you, and your spouse if filing a joint return, are authorizing the IRS to call the designee to answer any questions that may arise during the processing of your return. You also are authorizing the designee to:

- Give the IRS any information that is missing from your return,
- Call the IRS for information about the processing of your return or the status of your refund or payment(s),
- Receive copies of notices or transcripts related to your return, upon request, and
- Respond to certain IRS notices about math errors, offsets, and return preparation.

This authorization will automatically end no later than the due date (not counting extensions) for filing your 2019 tax return. This is April 15, 2020, for most people.



If you want someone other than your paid preparer to be your third party designee, do not check the box here. Instead, see Third Party Designee in the Schedule 6 instructions.

Income

Generally, you must report all income except income that is exempt from tax

by law. For details, see the following instructions and the Schedule 1 instructions, especially the instructions for lines 1 through 5 and Schedule 1, lines 10 through 21. Also see Pub. 525.

Foreign-Source Income

You must report unearned income, such as interest, dividends, and pensions, from sources outside the United States unless exempt by law or a tax treaty. You also must report earned income, such as wages and tips, from sources outside the United States.

If you worked abroad, you may be able to exclude part or all of your foreign earned income. For details, see Pub. 54 and Form 2555 or 2555-EZ.

Foreign retirement plans. If you were a beneficiary of a foreign retirement plan, you may have to report the undistributed income earned in your plan. However, if you were the beneficiary of a Canadian registered retirement plan, see Rev. Proc. 2014-55, 2014-44 I.R.B. 753, available at [IRS.gov/irb/2014-44_IRB#RP2014-55](https://www.irs.gov/irb/2014-44_IRB#RP2014-55), to find out if you can elect to defer tax on the undistributed income.

Report distributions from foreign pension plans on lines 4a and 4b.

Foreign accounts and trusts. You must complete Part III of Schedule B if you:

- Had a foreign account, or
- Received a distribution from, or were a grantor of, or a transferor to, a foreign trust.

Foreign financial assets. If you had foreign financial assets in 2018, you may have to file Form 8938. See Form 8938 and its instructions.

Chapter 11 Bankruptcy Cases

If you are a debtor in a chapter 11 bankruptcy case, income taxable to the bankruptcy estate and reported on the estate's income tax return includes:

- Earnings from services you performed after the beginning of the case (both wages and self-employment income), and
- Income from property described in section 541 of title 11 of the U.S. Code that you either owned when the case began or that you acquired after the case

began and before the case was closed, dismissed, or converted to a case under a different chapter.

Because this income is taxable to the estate, don't include this income on your own individual income tax return. The only exception is for purposes of figuring your self-employment tax. For that purpose, you must take into account all your self-employment income for the year from services performed both before and after the beginning of the case. Also, you (or the trustee, if one is appointed) must allocate between you and the bankruptcy estate the wages, salary, or other compensation and withheld income tax reported to you on Form W-2. A similar allocation is required for income and withheld income tax reported to you on Forms 1099. You also must include a statement that indicates you filed a chapter 11 case and that explains how income and withheld income tax reported to you on Forms W-2 and 1099 are allocated between you and the estate. For more details, including acceptable allocation methods, see Notice 2006-83, 2006-40 I.R.B. 596, available at [IRS.gov/irb/2006-40_IRB#NOT-2006-83](https://www.irs.gov/irb/2006-40_IRB#NOT-2006-83).

Community Property States

Community property states include Arizona, California, Idaho, Louisiana, Nevada, New Mexico, Texas, Washington, and Wisconsin. If you and your spouse lived in a community property state, you usually must follow state law to determine what is community income and what is separate income. For details, see Form 8958 and Pub. 555.

Nevada, Washington, and California domestic partners. A registered domestic partner in Nevada, Washington, or California generally must report half the combined community income of the individual and his or her domestic partner. See Form 8958 and Pub. 555.

Rounding Off to Whole Dollars

You can round off cents to whole dollars on your return and schedules. If you do round to whole dollars, you must round all amounts. To round, drop amounts under 50 cents and increase amounts from 50 to 99 cents to the next dollar. For ex-

ample, \$1.39 becomes \$1 and \$2.50 becomes \$3.

If you have to add two or more amounts to figure the amount to enter on a line, include cents when adding the amounts and round off only the total.

Line 1

Wages, Salaries, Tips, etc.

Enter the total of your wages, salaries, tips, etc. If a joint return, also include your spouse's income. For most people, the amount to enter on this line should be shown in box 1 of their Form(s) W-2. But the following types of income also must be included in the total on line 1.

- All wages received as a household employee. An employer isn't required to provide a Form W-2 to you if he or she paid you wages of less than \$2,100 in 2018. If you received wages as a household employee and you didn't receive a Form W-2 because an employer paid you less than \$2,100 in 2018, enter "HSH" and the amount not reported to you on a Form W-2 in the space to the left of line 1. For information on employment taxes for household employees, see [Tax Topic 756](#).

- Tip income you didn't report to your employer. This should include any allocated tips shown in box 8 on your Form(s) W-2 unless you can prove that your unreported tips are less than the amount in box 8. Allocated tips aren't included as income in box 1. See Pub. 531 for more details. Also include the value of any noncash tips you received, such as tickets, passes, or other items of value. Although you don't report these non-cash tips to your employer, you must report them on line 1.



You may owe social security and Medicare or railroad retirement (RRTA) tax on unreported tips. See the instructions for Schedule 4, line 58.

- Dependent care benefits, which should be shown in box 10 of your Form(s) W-2. But first complete Form 2441 to see if you can exclude part or all of the benefits.

- Employer-provided adoption benefits, which should be shown in box 12 of your Form(s) W-2 with code T. But see the Instructions for Form 8839 to find

out if you can exclude part or all of the benefits. You also may be able to exclude amounts if you adopted a child with special needs and the adoption became final in 2018.

- Scholarship and fellowship grants not reported on Form W-2. Also, enter “SCH” and the amount on the dotted line next to line 1. However, if you were a degree candidate, include on line 1 only the amounts you used for expenses other than tuition and course-related expenses. For example, amounts used for room, board, and travel must be reported on line 1.

- Excess elective deferrals. The amount deferred should be shown in box 12 of your Form W-2, and the “Retirement plan” box in box 13 should be checked. If the total amount you (or your spouse if filing jointly) deferred for 2018 under all plans was more than \$18,500 (excluding catch-up contributions as explained later), include the excess on line 1. This limit is (a) \$12,500 if you have only SIMPLE plans, or (b) \$21,500 for section 403(b) plans if you qualify for the 15-year rule in Pub. 571. Although designated Roth contributions are subject to this limit, don’t include the excess attributable to such contributions on line 1. They already are included as income in box 1 of your Form W-2.

A higher limit may apply to participants in section 457(b) deferred compensation plans for the 3 years before retirement age. Contact your plan administrator for more information.

If you were age 50 or older at the end of 2018, your employer may have allowed an additional deferral (catch-up contributions) of up to \$6,000 (\$3,000 for section 401(k)(11) and SIMPLE plans). This additional deferral amount isn’t subject to the overall limit on elective deferrals.



You can't deduct the amount deferred. It isn't included as income in box 1 of your Form W-2.

- Disability pensions shown on Form 1099-R if you haven’t reached the minimum retirement age set by your employer. But see *Insurance Premiums for Retired Public Safety Officers* in the instructions for lines 4a and 4b. Disability

pensions received after you reach minimum retirement age and other payments shown on Form 1099-R (other than payments from an IRA*) are reported on lines 4a and 4b. Payments from an IRA are also reported on lines 4a and 4b.

- Corrective distributions from a retirement plan shown on Form 1099-R of excess elective deferrals and excess contributions (plus earnings). But don’t include distributions from an IRA* on line 1. Instead, report distributions from an IRA on lines 4a and 4b.

- Wages from Form 8919, line 6.

**This includes a Roth, SEP, or SIMPLE IRA.*

Were You a Statutory Employee?

If you were, the “Statutory employee” box in box 13 of your Form W-2 should be checked. Statutory employees include full-time life insurance salespeople and certain agent or commission drivers, traveling salespeople, and homeworkers. If you have related business expenses to deduct, report the amount shown in box 1 of your Form W-2 on Schedule C or C-EZ along with your expenses.

Missing or Incorrect Form W-2?

Your employer is required to provide or send Form W-2 to you no later than January 31, 2019. If you don’t receive it by early February, use [Tax Topic 154](#) to find out what to do. Even if you don’t get a Form W-2, you still must report your earnings on line 1. If you lose your Form W-2 or it is incorrect, ask your employer for a new one.

Line 2a

Tax-Exempt Interest

If you received any tax-exempt interest (including any tax-exempt original issue discount (OID)), such as from municipal bonds, each payer should send you a Form 1099-INT or a Form 1099-OID. In general, your tax-exempt stated interest should be shown in box 8 of Form 1099-INT or, for a tax-exempt OID bond, in box 2 of Form 1099-OID and your tax-exempt OID should be shown in box 11 of Form 1099-OID. Enter the total on line 2a. However, if you acquired a tax-exempt bond at a premium, only report the net amount of tax-ex-

empt interest on line 2a (that is, the excess of the tax-exempt interest received during the year over the amortized bond premium for the year). Also, if you acquired a tax-exempt OID bond at an acquisition premium, only report the net amount of tax-exempt OID on line 2a (that is, the excess of tax-exempt OID for the year over the amortized acquisition premium for the year). See Pub. 550 for more information about OID, bond premium, and acquisition premium.

Also include on line 2a any exempt-interest dividends from a mutual fund or other regulated investment company. This amount should be shown in box 10 of Form 1099-DIV.

Don’t include interest earned on your IRA, health savings account, Archer or Medicare Advantage MSA, or Coverdell education savings account.

Line 2b

Taxable Interest

Each payer should send you a Form 1099-INT or Form 1099-OID. Enter your total taxable interest income on line 2b. But you must fill in and attach Schedule B if the total is over \$1,500 or any of the other conditions listed at the beginning of the Schedule B instructions apply to you.

For more details about reporting taxable interest, including market discount on bonds and adjustments for amortizable bond premium or acquisition premium, see Pub. 550.

Interest credited in 2018 on deposits that you couldn’t withdraw because of the bankruptcy or insolvency of the financial institution may not have to be included in your 2018 income. For details, see Pub. 550.



If you get a 2018 Form 1099-INT for U.S. savings bond interest that includes amounts you reported before 2018, see Pub. 550.

Line 3a

Qualified Dividends

Enter your total qualified dividends on line 3a. Qualified dividends also are included in the ordinary dividend total required to be shown on line 3b. Qualified

dividends are eligible for a lower tax rate than other ordinary income. Generally, these dividends are shown in box 1b of Form(s) 1099-DIV. See Pub. 550 for the definition of qualified dividends if you received dividends not reported on Form 1099-DIV.

Exception. Some dividends may be reported as qualified dividends in box 1b of Form 1099-DIV but aren't qualified dividends. These include:

- Dividends you received as a nominee. See the Schedule B instructions.

- Dividends you received on any share of stock that you held for less than 61 days during the 121-day period that began 60 days before the ex-dividend date. The ex-dividend date is the first date following the declaration of a dividend on which the purchaser of a stock isn't entitled to receive the next dividend payment. When counting the number of days you held the stock, include the day you disposed of the stock but not the day you acquired it. See the examples that follow. Also, when counting the number of days you held the stock, you can't count certain days during which your risk of loss was diminished. See Pub. 550 for more details.

- Dividends attributable to periods totaling more than 366 days that you received on any share of preferred stock held for less than 91 days during the 181-day period that began 90 days before the ex-dividend date. When counting the number of days you held the stock, you can't count certain days during which your risk of loss was diminished. See Pub. 550 for more details. Preferred dividends attributable to periods totaling less than 367 days are subject to the 61-day holding period rule just described.

- Dividends on any share of stock to the extent that you are under an obligation (including a short sale) to make related payments with respect to positions in substantially similar or related property.

- Payments in lieu of dividends, but only if you know or have reason to know that the payments aren't qualified dividends.

- Dividends from a corporation which first became a surrogate foreign corporation after December 22, 2017, other than a foreign corporation which is

treated as a domestic corporation under section 7874(b).

Example 1. You bought 5,000 shares of XYZ Corp. common stock on July 8, 2018. XYZ Corp. paid a cash dividend of 10 cents per share. The ex-dividend date was July 16, 2018. Your Form 1099-DIV from XYZ Corp. shows \$500 in box 1a (ordinary dividends) and in box 1b (qualified dividends). However, you sold the 5,000 shares on August 11, 2018. You held your shares of XYZ Corp. for only 34 days of the 121-day period (from July 9, 2018, through August 11, 2018). The 121-day period began on May 17, 2018 (60 days before the ex-dividend date), and ended on September 14, 2018. You have no qualified dividends from XYZ Corp. because you held the XYZ stock for less than 61 days.

Example 2. The facts are the same as in *Example 1* except that you bought the stock on July 15, 2018 (the day before the ex-dividend date), and you sold the stock on September 16, 2018. You held the stock for 63 days (from July 16, 2018, through September 16, 2018). The \$500 of qualified dividends shown in box 1b of Form 1099-DIV are all qualified dividends because you held the stock for 61 days of the 121-day period (from July 16, 2018, through September 14, 2018).

Example 3. You bought 10,000 shares of ABC Mutual Fund common stock on July 8, 2018. ABC Mutual Fund paid a cash dividend of 10 cents a share. The ex-dividend date was July 16, 2018. The ABC Mutual Fund advises you that the part of the dividend eligible to be treated as qualified dividends equals 2 cents a share. Your Form 1099-DIV from ABC Mutual Fund shows total ordinary dividends of \$1,000 and qualified dividends of \$200. However, you sold the 10,000 shares on August 11, 2018. You have no qualified dividends from ABC Mutual Fund because you held the ABC Mutual Fund stock for less than 61 days.

TIP Use the *Qualified Dividends and Capital Gain Tax Worksheet* or the *Schedule D Tax Worksheet*, whichever applies, to figure your tax. See the instructions for line 11a for details.

Line 3b

Ordinary Dividends

Each payer should send you a Form 1099-DIV. Enter your total ordinary dividends on line 3b. This amount should be shown in box 1a of Form(s) 1099-DIV.

You must fill in and attach Schedule B if the total is over \$1,500 or you received, as a nominee, ordinary dividends that actually belong to someone else.

Nondividend Distributions

Some distributions are a return of your cost (or other basis). They won't be taxed until you recover your cost (or other basis). You must reduce your cost (or other basis) by these distributions. After you get back all of your cost (or other basis), you must report these distributions as capital gains on Form 8949. For details, see Pub. 550.

TIP Dividends on insurance policies are a partial return of the premiums you paid. Don't report them as dividends. Include them in income on Schedule 1, line 21, only if they exceed the total of all net premiums you paid for the contract.

Lines 4a and 4b IRAs, Pensions, and Annuities

TIP If you have IRA distributions and/or pension and annuity payments, unlike in prior years when you entered these amounts on different lines, this year they will be combined and reported on the same line.

IRA Distributions

You should receive a Form 1099-R showing the total amount of any distribution from your IRA before income tax or other deductions were withheld. This amount should be shown in box 1 of Form 1099-R. Unless otherwise noted in the line 4a and 4b instructions, an IRA includes a traditional IRA, Roth IRA (including a myRA), simplified employee pension (SEP) IRA, and a savings incentive match plan for employees (SIM-

PLE) IRA. Except as provided next, leave line 4a blank and enter the total distribution (from Form 1099-R, box 1) on line 4b.

Exception 1. Enter the total distribution on line 4a if you rolled over part or all of the distribution from one:

- Roth IRA to another Roth IRA, or
- IRA (other than a Roth IRA) to a qualified plan or another IRA (other than a Roth IRA).

Also, enter “Rollover” next to line 4b. If the total distribution was rolled over, enter -0- on line 4b. If the total distribution wasn't rolled over, enter the part not rolled over on line 4b unless *Exception 2* applies to the part not rolled over. Generally, a rollover must be made within 60 days after the day you received the distribution. For more details on rollovers, see Pub. 590-A and Pub. 590-B.

If you rolled over the distribution into a qualified plan or you made the rollover in 2019, include a statement explaining what you did.

Exception 2. If any of the following apply, enter the total distribution on line 4a and see Form 8606 and its instructions to figure the amount to enter on line 4b.

1. You received a distribution from an IRA (other than a Roth IRA) and you made nondeductible contributions to any of your traditional or SEP IRAs for 2018 or an earlier year. If you made nondeductible contributions to these IRAs for 2018, also see Pub. 590-A and Pub. 590-B.

2. You received a distribution from a Roth IRA. But if either (a) or (b) below applies, enter -0- on line 4b; you don't have to see Form 8606 or its instructions.

a. Distribution code T is shown in box 7 of Form 1099-R and you made a contribution (including a conversion) to a Roth IRA for 2013 or an earlier year.

b. Distribution code Q is shown in box 7 of Form 1099-R.

3. You converted part or all of a traditional, SEP, or SIMPLE IRA to a Roth IRA in 2018.

4. You had a 2017 or 2018 IRA contribution returned to you, with the related earnings or less any loss, by the due

date (including extensions) of your tax return for that year.

5. You made excess contributions to your IRA for an earlier year and had them returned to you in 2018.

6. You recharacterized part or all of a contribution to a Roth IRA as a contribution to another type of IRA, or vice versa.

Exception 3. If all or part of the distribution is a qualified charitable distribution (QCD), enter the total distribution on line 4a. If the total amount distributed is a QCD, enter -0- on line 4b. If only part of the distribution is a QCD, enter the part that is not a QCD on line 4b unless *Exception 2* applies to that part. Enter “QCD” next to line 4b.

A QCD is a distribution made directly by the trustee of your IRA (other than an ongoing SEP or SIMPLE IRA) to an organization eligible to receive tax-deductible contributions (with certain exceptions). You must have been at least age 70½ when the distribution was made.

Generally, your total QCDs for the year can't be more than \$100,000. (On a joint return, your spouse also can have a QCD of up to \$100,000.) The amount of the QCD is limited to the amount that would otherwise be included in your income. If your IRA includes nondeductible contributions, the distribution is first considered to be paid out of otherwise taxable income. See Pub. 590-A for details.

 *You can't claim a charitable contribution deduction for any QCD not included in your income.*

Exception 4. If all or part of the distribution is a health savings account (HSA) funding distribution (HFD), enter the total distribution on line 4a. If the total amount distributed is an HFD and you elect to exclude it from income, enter -0- on line 4b. If only part of the distribution is an HFD and you elect to exclude that part from income, enter the part that isn't an HFD on line 4b unless *Exception 2* applies to that part. Enter “HFD” next to line 4b.

An HFD is a distribution made directly by the trustee of your IRA (other than an ongoing SEP or SIMPLE IRA)

to your HSA. If eligible, you generally can elect to exclude an HFD from your income once in your lifetime. You can't exclude more than the limit on HSA contributions or more than the amount that would otherwise be included in your income. If your IRA includes nondeductible contributions, the HFD is first considered to be paid out of otherwise taxable income. See Pub. 969 for details.



The amount of an HFD reduces the amount you can contribute to your HSA for the year. If you fail to maintain eligibility for an HSA for the 12 months following the month of the HFD, you may have to report the HFD as income and pay an additional tax. See Form 8889, Part III.

More than one exception applies. If more than one exception applies, include a statement showing the amount of each exception, instead of making an entry next to line 4b. For example: “Line 4b – \$1,000 Rollover and \$500 HFD.” But you do not need to attach a statement if only *Exception 2* and one other exception apply.

More than one distribution. If you (or your spouse if filing jointly) received more than one distribution, figure the taxable amount of each distribution and enter the total of the taxable amounts on line 4b. Enter the total amount of those distributions on line 4a.



You may have to pay an additional tax if (a) you received an early distribution from your IRA and the total wasn't rolled over, or (b) you were born before July 1, 1947, and received less than the minimum required distribution from your traditional, SEP, and SIMPLE IRAs. See the instructions for Schedule 4, line 59, for details.

More information. For more information about IRAs, see Pub. 590-A and Pub. 590-B.

Pensions and Annuities

You should receive a Form 1099-R showing the total amount of your pension and annuity payments before income tax or other deductions were withheld. This amount should be shown in box 1 of Form 1099-R. Pension and annuity payments include distributions from 401(k), 403(b), and governmental

457(b) plans. Rollovers and lump-sum distributions are explained later. Don't include the following payments on lines 4a and 4b. Instead, report them on line 1.

- Disability pensions received before you reach the minimum retirement age set by your employer.
- Corrective distributions (including any earnings) of excess elective deferrals or other excess contributions to retirement plans. The plan must advise you of the year(s) the distributions are includible in income.



Attach Form(s) 1099-R to Form 1040 if any federal income tax was withheld.

Fully Taxable Pensions and Annuities

Your payments are fully taxable if (a) you didn't contribute to the cost (see *Cost*, later) of your pension or annuity, or (b) you got your entire cost back tax free before 2018. But see *Insurance Premiums for Retired Public Safety Officers*, later. If your pension or annuity is fully taxable, enter the total pension or annuity payments (from Form(s) 1099-R, box 1) on line 4b; don't make an entry on line 4a.

Fully taxable pensions and annuities also include military retirement pay shown on Form 1099-R. For details on military disability pensions, see Pub. 525. If you received a Form RRB-1099-R, see Pub. 575 to find out how to report your benefits.

Partially Taxable Pensions and Annuities

Enter the total pension or annuity payments (from Form 1099-R, box 1) on line 4a. If your Form 1099-R doesn't show the taxable amount, you must use the General Rule explained in Pub. 939 to figure the taxable part to enter on line 4b. But if your annuity starting date (defined later) was after July 1, 1986, see *Simplified Method*, later, to find out if you must use that method to figure the taxable part.

You can ask the IRS to figure the taxable part for you for a \$1,000 fee. For details, see Pub. 939.

If your Form 1099-R shows a taxable amount, you can report that amount on line 4b. But you may be able to report a lower taxable amount by using the General Rule or the Simplified Method or if the exclusion for retired public safety officers, discussed next, applies.

Insurance Premiums for Retired Public Safety Officers

If you are an eligible retired public safety officer (law enforcement officer, firefighter, chaplain, or member of a rescue squad or ambulance crew), you can elect to exclude from income distributions made from your eligible retirement plan that are used to pay the premiums for coverage by an accident or health plan or a long-term care insurance contract. You can do this only if you retired because of disability or because you reached normal retirement age. The premiums can be for coverage for you, your spouse, or dependents. The distribution must be from a plan maintained by the employer from which you retired as a public safety officer. Also, the distribution must be made directly from the plan to the provider of the accident or health plan or long-term care insurance contract. You can exclude from income the smaller of the amount of the premiums or \$3,000. You can make this election only for amounts that would otherwise be included in your income.

An eligible retirement plan is a governmental plan that is a qualified trust or a section 403(a), 403(b), or 457(b) plan.

If you make this election, reduce the otherwise taxable amount of your pension or annuity by the amount excluded. The amount shown in box 2a of Form 1099-R doesn't reflect the exclusion. Report your total distributions on line 4a and the taxable amount on line 4b. Enter "PSO" next to line 4b.

If you are retired on disability and reporting your disability pension on line 1, include only the taxable amount on that line and enter "PSO" and the amount excluded on the dotted line next to line 1.

Simplified Method

You must use the Simplified Method if either of the following applies.

1. Your annuity starting date was after July 1, 1986, and you used this method last year to figure the taxable part.
2. Your annuity starting date was after November 18, 1996, and both of the following apply.

a. The payments are from a qualified employee plan, a qualified employee annuity, or a tax-sheltered annuity.

b. On your annuity starting date, either you were under age 75 or the number of years of guaranteed payments was fewer than 5. See Pub. 575 for the definition of guaranteed payments.

If you must use the Simplified Method, complete the Simplified Method Worksheet in these instructions to figure the taxable part of your pension or annuity. For more details on the Simplified Method, see Pub. 575 (or Pub. 721 for U.S. Civil Service retirement benefits).



If you received U.S. Civil Service retirement benefits and you chose the alternative annuity option, see Pub. 721 to figure the taxable part of your annuity. Do not use the Simplified Method Worksheet in these instructions.

Annuity Starting Date

Your annuity starting date is the later of the first day of the first period for which you received a payment or the date the plan's obligations became fixed.

Age (or Combined Ages) at Annuity Starting Date

If you are the retiree, use your age on the annuity starting date. If you are the survivor of a retiree, use the retiree's age on his or her annuity starting date. But if your annuity starting date was after 1997 and the payments are for your life and that of your beneficiary, use your combined ages on the annuity starting date.

If you are the beneficiary of an employee who died, see Pub. 575. If there is more than one beneficiary, see Pub. 575 or Pub. 721 to figure each beneficiary's taxable amount.

Cost

Your cost is generally your net investment in the plan as of the annuity starting date. It doesn't include pre-tax con-

Simplified Method Worksheet—Lines 4a and 4b

Keep for Your Records



Before you begin: ✓ If you are the beneficiary of a deceased employee or former employee who died **before** August 21, 1996, include any death benefit exclusion that you are entitled to (up to \$5,000) in the amount entered on line 2 below.

More than one pension or annuity. If you had more than one partially taxable pension or annuity, figure the taxable part of each separately. Enter the total of the taxable parts on Form 1040, line 4b. Enter the total pension or annuity payments received in 2018 on Form 1040, line 4a.

1. Enter the total pension or annuity payments from Form 1099-R, box 1. Also, enter this amount on Form 1040, line 4a **1.** _____

2. Enter your cost in the plan at the annuity starting date **2.** _____

Note. If you completed this worksheet last year, skip line 3 and enter the amount from line 4 of last year's worksheet on line 4 below (even if the amount of your pension or annuity has changed). Otherwise, go to line 3.

3. Enter the appropriate number from **Table 1** below. **But** if your annuity starting date was **after** 1997 **and** the payments are for your life and that of your beneficiary, enter the appropriate number from **Table 2** below **3.** _____

4. Divide line 2 by the number on line 3 **4.** _____

5. Multiply line 4 by the number of months for which this year's payments were made. If your annuity starting date was **before** 1987, skip lines 6 and 7 and enter this amount on line 8. Otherwise, go to line 6 **5.** _____

6. Enter the amount, if any, recovered tax free in years after 1986. If you completed this worksheet last year, enter the amount from line 10 of last year's worksheet **6.** _____

7. Subtract line 6 from line 2 **7.** _____

8. Enter the **smaller** of line 5 or line 7 **8.** _____

9. **Taxable amount.** Subtract line 8 from line 1. Enter the result, but not less than zero. Also, enter this amount on Form 1040, line 4b. If your Form 1099-R shows a larger amount, use the amount on this line instead of the amount from Form 1099-R. If you are a retired public safety officer, see *Insurance Premiums for Retired Public Safety Officers* before entering an amount on line 4b **9.** _____

10. Was your annuity starting date before 1987?
 Yes.  Do not complete the rest of this worksheet.
 No. Add lines 6 and 8. This is the **amount you have recovered tax free** through 2018. You will need this number if you need to fill out this worksheet next year **10.** _____

11. **Balance of cost to be recovered.** Subtract line 10 from line 2. If zero, you won't have to complete this worksheet next year. The payments you receive next year will generally be fully taxable **11.** _____

Table 1 for Line 3 Above

AND your annuity starting date was—

IF the age at annuity starting date was . . .	before November 19, 1996, enter on line 3 . . .	after November 18, 1996, enter on line 3 . . .
55 or under	300	360
56–60	260	310
61–65	240	260
66–70	170	210
71 or older	120	160

Table 2 for Line 3 Above

IF the combined ages at annuity starting date were . . .	THEN enter on line 3 . . .
110 or under	410
111–120	360
121–130	310
131–140	260
141 or older	210

tributions. Your net investment may be shown in box 9b of Form 1099-R.

Rollovers

Generally, a rollover is a tax-free distribution of cash or other assets from one retirement plan that is contributed to another plan within 60 days of receiving the distribution. However, a rollover to a Roth IRA or a designated Roth account is generally not a tax-free distribution. Use lines 4a and 4b to report a rollover, including a direct rollover, from one qualified employer's plan to another or to an IRA or SEP.

Enter on line 4a the distribution from Form 1099-R, box 1. From this amount, subtract any contributions (usually shown in box 5) that were taxable to you when made. From that result, subtract the amount of the rollover. Enter the remaining amount on line 4b. If the remaining amount is zero and you have no other distribution to report on line 4b, enter -0- on line 4b. Also, enter "Rollover" next to line 4b.

See Pub. 575 for more details on rollovers, including special rules that apply to rollovers from designated Roth accounts, partial rollovers of property, and distributions under qualified domestic relations orders.

Lump-Sum Distributions

If you received a lump-sum distribution from a profit-sharing or retirement plan, your Form 1099-R should have the "Total distribution" box in box 2b checked. You may owe an additional tax if you received an early distribution from a qualified retirement plan and the total amount wasn't rolled over. For details, see the instructions for Schedule 4, line 59.

Enter the total distribution on line 4a and the taxable part on line 4b. For details, see Pub. 575.

TIP *If you or the plan participant was born before January 2, 1936, you could pay less tax on the distribution. See Form 4972.*

Lines 5a and 5b

Social Security Benefits

You should receive a Form SSA-1099 showing in box 3 the total social security benefits paid to you. Box 4 will show the amount of any benefits you repaid in 2018. If you received railroad retirement benefits treated as social security, you should receive a Form RRB-1099.

Use the Social Security Benefits Worksheet in these instructions to see if any of your benefits are taxable.

Exception. Do not use the Social Security Benefits Worksheet in these instructions if any of the following applies.

- You made contributions to a traditional IRA for 2018 and you or your spouse were covered by a retirement plan at work or through self-employment. Instead, use the worksheets in Pub. 590-A to see if any of your social security benefits are taxable and to figure your IRA deduction.

- You repaid any benefits in 2018 and your total repayments (box 4) were more than your total benefits for 2018 (box 3). None of your benefits are taxable for 2018. Also, if your total repayments in 2018 exceed your total benefits received in 2018 by more than \$3,000, you may be able to take an itemized deduction or a credit for part of the excess repayments if they were for benefits you included in income in an earlier year. For more details, see Pub. 915.

- You file Form 2555, 2555-EZ, 4563, or 8815, or you exclude employer-provided adoption benefits or income from sources within Puerto Rico. Instead, use the worksheet in Pub. 915.

TIP *Benefits for earlier year received in 2018? If any of your benefits are taxable for 2018 and they include a lump-sum benefit payment that was for an earlier year, you may be able to reduce the taxable amount. See Lump-Sum Election in Pub. 915 for details.*

Social security information. Social security beneficiaries can now get a variety of information from the SSA website with a *my Social Security* account, including getting a replacement Form SSA-1099 if needed. For more informa-

tion and to set up an account, go to SSA.gov/myaccount.

Form RRB-1099. If you need a replacement Form RRB-1099, call the Railroad Retirement Board at 1-877-772-5772 or go to www.rrb.gov.



See the instructions for Schedule 1, lines 21 through 36, for information on additional items of income and adjustments to income.

Total Income and Adjusted Gross Income

Line 6

Total Income

Report any additional income on Schedule 1, lines 1 through 21. Enter the amount from Schedule 1, line 22, in the appropriate entry space. Add the amount from Schedule 1, line 22, to the total of any amounts from lines 1, 2b, 3b, 4b, and 5b, and enter that amount on this line.

Line 7

Adjusted Gross Income

If you have no adjustments to income, enter the amount from line 6 on this line; otherwise, complete Schedule 1 and subtract the amount on Schedule 1, line 36, from Form 1040, line 6, and enter that amount on this line.

Tax and Credits

Line 8

Itemized Deductions or Standard Deduction

In most cases, your federal income tax will be less if you take the larger of your itemized deductions or standard deduction.

Itemized Deductions

To figure your itemized deductions, fill in Schedule A.

Social Security Benefits Worksheet—Lines 5a and 5b

Keep for Your Records



Before you begin: ✓ Figure any write-in adjustments to be entered on the dotted line next to Schedule 1, line 36 (see the instructions for Schedule 1, line 36).
 ✓ If you are married filing separately and you lived apart from your spouse for all of 2018, enter “D” to the right of the word “benefits” on line 5a. If you don’t, you may get a math error notice from the IRS.
 ✓ Be sure you have read the **Exception** in the line 5a and 5b instructions to see if you can use this worksheet instead of a publication to find out if any of your benefits are taxable.

1. Enter the total amount from **box 5** of **all** your **Forms SSA-1099** and **Forms RRB-1099**. Also, enter this amount on Form 1040, line 5a 1.
2. Multiply line 1 by 50% (0.50) 2.
3. Combine the amounts from Form 1040, lines 1, 2b, 3b, 4b, and Schedule 1, line 22 3.
4. Enter the amount, if any, from Form 1040, line 2a 4.
5. Combine lines 2, 3, and 4 5.
6. Enter the total of the amounts from Schedule 1, lines 23 through 32, plus any write-in adjustments you entered on the dotted line next to Schedule 1, line 36 other than any amounts identified as “DPAD” 6.
7. Is the amount on line 6 less than the amount on line 5?
 No. None of your social security benefits are taxable. Enter -0- on Form 1040, line 5b.
 Yes. Subtract line 6 from line 5 7.
8. If you are:
 - Married filing jointly, enter \$32,000
 - Single, head of household, qualifying widow(er), or married filing separately and you **lived apart** from your spouse for all of 2018, enter \$25,000
 - Married filing separately and you lived with your spouse at any time in 2018, skip lines 8 through 15; multiply line 7 by 85% (0.85) and enter the result on line 16. Then, go to line 17
 } 8.
9. Is the amount on line 8 less than the amount on line 7?
 No. None of your social security benefits are taxable. Enter -0- on Form 1040, line 5b. If you are married filing separately and you **lived apart** from your spouse for all of 2018, be sure you entered “D” to the right of the word “benefits” on line 5a.
 Yes. Subtract line 8 from line 7 9.
10. Enter: \$12,000 if married filing jointly; \$9,000 if single, head of household, qualifying widow(er), or married filing separately and you **lived apart** from your spouse for all of 2018 10.
11. Subtract line 10 from line 9. If zero or less, enter -0- 11.
12. Enter the **smaller** of line 9 or line 10 12.
13. Enter one-half of line 12 13.
14. Enter the **smaller** of line 2 or line 13 14.
15. Multiply line 11 by 85% (0.85). If line 11 is zero, enter -0- 15.
16. Add lines 14 and 15 16.
17. Multiply line 1 by 85% (0.85) 17.
18. **Taxable social security benefits.** Enter the **smaller** of line 16 or line 17. Also enter this amount on Form 1040, line 5b 18.



If any of your benefits are taxable for 2018 and they include a lump-sum benefit payment that was for an earlier year, you may be able to reduce the taxable amount. See Lump-Sum Election in Pub. 915 for details.

Standard Deduction

Most people can find their standard deduction by looking at the amounts listed to the left of line 8.

Exception 1—Dependent. If you checked the “Someone can claim you as a dependent” box, or if you’re filing jointly and you checked the “Someone can claim your spouse as a dependent” box, use the Standard Deduction Worksheet for Dependents to figure your standard deduction.



Someone claims you or your spouse as a dependent if they list your or your spouse's name and SSN in the Dependents section of their return.

Exception 2—Born before January 2, 1954, or blind. If you checked any of the following boxes, figure your standard deduction using the Standard Deduction Chart for People Who Were Born Before January 2, 1954, or Were Blind.

- You were born before January 2, 1954.
- You are blind.
- Spouse was born before January 2, 1954.
- Spouse is blind.

Exception 3—Separate return or dual-status alien. If you checked the box labeled “Spouse itemizes on separate return or you were dual-status alien” on the Spouse standard deduction line, your standard deduction is zero, even if you were born before January 2, 1954, or were blind.

Exception 4—Increased standard deduction for net qualified disaster loss. If you had a net qualified disaster loss and you elect to increase your standard deduction by the amount of your net qualified disaster loss, use Schedule A to figure your standard deduction. Qualified disaster loss refers to losses arising from certain 2016 or 2017 disasters. See the Instructions for Form 4684 and Schedule A, line 16, for more information.

Line 9

Qualified Business Income Deduction (Section 199A Deduction)

Generally, you are allowed a deduction up to 20% of your net qualified business income plus 20% of qualified real estate investment trust (REIT) dividends and publicly traded partnership (PTP) income.

Use the 2018 Qualified Business Income Deduction—Simplified Worksheet, later, to figure your qualified business income deduction if:

- You have qualified business income, REIT dividends, or PTP income (all defined later),
- Your 2018 taxable income before the qualified business income deduction is less than or equal to \$157,500 (\$315,000 if married filing jointly), and
- You aren’t a patron in a specified agricultural or horticultural cooperative.

If you don’t meet these requirements, use the worksheet in Pub. 535 instead.

Determining Your Qualified Trades or Businesses

Your qualified trades and businesses include your trades or businesses for which you are allowed a deduction for ordinary and necessary business expenses, except for trades or businesses conducted through a C corporation, wages earned as an employee, and for taxpayers with taxable income, before the qualified business income deduction, above the threshold, specified service trades or businesses.

For more information on what qualifies as a trade or business, see *Determining your qualified trades or businesses* in Pub. 535.

For more information on whether you are an employee or an independent contractor, see Pub. 15-A and Pub. 1779.

Specified Service Trade or Business Excluded From Your Qualified Trades or Businesses

Specified services trades or businesses are generally excluded from the definition of qualified trade or business. A specified service trade or business is any

trade or business providing services in the fields of health, law, accounting, actuarial science, performing arts, consulting, athletics, financial services, brokerage services, or any other trade or business where the taxpayer receives fees, compensation, or other income for endorsing products or services, for the use of the taxpayer’s image, likeness, name, signature, voice, trademark, or any other symbols associated with the taxpayer’s identity, or for appearing at an event or on radio, television, or another media format. In addition, the trades or businesses of investing and investment management, trading or dealing in securities, partnership interests, or commodities are specified trades or businesses.

Exceptions: If your taxable income before the qualified business income deduction is less than or equal to \$157,500 (\$315,000 if married filing jointly), your specified service trade or business is treated as a qualified trade or business.

If your taxable income before the qualified business interest deduction is more than \$157,500 but not \$207,500 (\$315,000 and \$415,000 if married filing jointly), an applicable percentage of your specified service trade or business is treated as a qualified trade or business. For more information, see Pub. 535.

Determining Your Qualified Business Income

Your qualified business income includes items of income, gain, deduction, and loss from your trades or businesses that are effectively connected with the conduct of a trade or business within the United States. This includes income from partnerships (other than PTPs), S corporations, sole proprietorships, and certain trusts that are included or allowed in determining your taxable income for the year. It also includes other deductions attributable to the trade or business including, but not limited to, deductible tax on self-employment income, self-employed health insurance, and contributions to qualified retirement plans. Qualified business income doesn’t include any of the following.

- Items that aren’t properly included in income.
- Investment items such as capital gains or losses, or dividends.



Standard Deduction Worksheet for Dependents—Line 8

Keep for Your Records

Use this worksheet **only** if someone can claim you, or your spouse if filing jointly, as a dependent.

<p>1. Check if: <input type="checkbox"/> You were born before January 2, 1954 <input type="checkbox"/> You are blind <input type="checkbox"/> Spouse was born before January 2, 1954 <input type="checkbox"/> Spouse is blind</p>	}	Total number of boxes checked	1.	
<p>2. Is your earned income* more than \$700? <input type="checkbox"/> Yes. Add \$350 to your earned income. Enter the total <input type="checkbox"/> No. Enter \$1,050</p>	}	2.	
<p>3. Enter the amount shown below for your filing status. <ul style="list-style-type: none"> • Single or married filing separately—\$12,000 • Married filing jointly—\$24,000 • Head of household—\$18,000 </p>	}	3.	
4. Standard deduction.				
<p>a. Enter the smaller of line 2 or line 3. If born after January 1, 1954, and not blind, stop here and enter this amount on Form 1040, line 8. Otherwise, go to line 4b</p>			4a.	
<p>b. If born before January 2, 1954, or blind, multiply the number on line 1 by \$1,300 (\$1,600 if single or head of household)</p>			4b.	
<p>c. Add lines 4a and 4b. Enter the total here and on Form 1040, line 8</p>			4c.	

* **Earned income** includes wages, salaries, tips, professional fees, and other compensation received for personal services you performed. It also includes any taxable scholarship or fellowship grant. Generally, your earned income is the total of the amount(s) you reported on Form 1040, line 1, and Schedule 1, lines 12 and 18, minus the amount, if any, on Schedule 1, line 27.

Standard Deduction Chart for People Who Were Born Before January 2, 1954, or Were Blind		
<p>Don't use this chart if someone can claim you, or your spouse if filing jointly, as a dependent. Instead, use the worksheet above.</p> <p><input type="checkbox"/> You were born before January 2, 1954 <input type="checkbox"/> You are blind <input type="checkbox"/> Spouse was born before January 2, 1954 <input type="checkbox"/> Spouse is blind</p>		
Enter the total number of boxes checked		▶ <input style="width: 40px; height: 20px;" type="text"/>
IF your filing status is ...	AND the number in the box above is ...	THEN your standard deduction is ...
Single	1	\$13,600
	2	15,200
Married filing jointly	1	\$25,300
	2	26,600
	3	27,900
	4	29,200
Qualifying widow(er)	1	\$25,300
	2	26,600
Married filing separately	1	\$13,300
	2	14,600
	3	15,900
	4	17,200
Head of household	1	\$19,600
	2	21,200

- Interest income not properly allocable to a trade or business.
- Wage income (except “Statutory Employees” where box 13 of Form W-2 is checked).
- Income that is not effectively connected with the conduct of business within the United States. (For more information, go to [IRS.gov/ECI](https://www.irs.gov/ECI).)
- Commodities transactions or foreign currency gains or losses.
- Income, loss, or deductions from notional principal contracts.
- Annuities (unless received in connection with the trade or business).
- Amounts received as reasonable compensation from an S corporation.
- Amounts received as guaranteed payments.
- Amounts received as payments received by a partner for services other than in a capacity as a partner.
- Qualified REIT dividends.
- Qualified PTP income.

Note. Your qualified business income doesn’t include any losses or deductions disallowed under the basis, at-risk, passive loss or section 461(l) excess business loss limitations as they are not included or allowed in determining your taxable income for the year. Instead, these losses are taken into account in the tax year they are included in determining your taxable income.

Determining Your Qualified REIT Dividends and Qualified PTP Income

Qualified REIT dividends include any dividend you receive from a real estate investment trust held for more than 45 days and for which the payment is not obligated to someone else and that is not a capital gain dividend or qualified dividend plus your qualified REIT dividends received from a regulated investment company. This amount is reported to you on Form 1099-DIV, line 5.

Qualified PTP income includes your share of qualified items of income, gain, deduction, and loss from a publicly traded partnership. It may also include gain or loss recognized on the disposition of your partnership interest that isn’t treated as a capital gain or loss.

Note. PTP income generated by a specified service trade or business may be limited to the applicable percentage, in which case you may be required to complete the worksheet in Pub. 535. See Pub. 535 for more information.

Instructions for the 2018 Qualified Business Income Deduction—Simplified Worksheet

Line 1. Qualified business income or (loss) from the trade or business. Enter the amount of your qualified business income or loss for each of your trades or businesses. See *Determining Your Qualified Business Income*, earlier.

Enter on line 1(b), the employer identification number (EIN) that was issued to you or your business on Form SS-4. If you don’t have an EIN, enter your social security number or individual taxpayer identification number. If you are the sole owner of an LLC that is not treated as a separate entity for federal income tax purposes, enter the EIN issued to the LLC. If you do not have such an EIN, enter the owner’s name and tax identification number.

Line 2. Total qualified business income or (loss). Enter the total of lines 1(c) for all your trades or businesses on line 2. If you have more than four trades or businesses, keep a record of the name and taxpayer identification number of the trade(s) or business(es) and include the income and loss from those other trade(s) or business(es) in the total entered on line 2.

Line 3. Qualified business loss carryforward from prior year. Leave this line blank. In future years, any loss carryforward will be entered on this line.

Line 4. Total qualified business income. If the total amount to be entered on line 4 is less than zero, enter -0-. You have a qualified business net loss for the year and you don’t qualify for the qualified business income deduction unless you have qualified REIT dividends or qualified PTP income. Any negative amount will be carried forward to next year.

Line 6. Qualified REIT dividends and PTP income or (loss). Enter your qualified REIT dividends and qualified PTP income or loss.

Line 7. Qualified REIT dividends and PTP loss carryforward from prior year. Leave this line blank. In future years, any loss carryforward will be entered on this line.

Line 8. Total qualified REIT dividends and PTP income. If the total amount to be entered on line 8 is less than zero, enter -0-. Any negative amount will be carried forward to next year.

Line 11. Taxable income before qualified business income deduction. Enter your taxable income figured before any qualified business income deduction. Adjusted gross income, Form 1040, line 7, minus standard deduction or itemized deductions from Form 1040, line 8.

Line 12. Net capital gain. Enter your qualified dividends from Form 1040, line 3a, plus your net capital gain. If you are not required to file Schedule D, your net capital gain is the gain reported on Schedule 1, line 13. If you file Schedule D, your net capital gain is the smaller of Schedule D, line 15 or 16, unless line 15 or 16 is blank or a loss, in which case your net capital gain is zero.

Line 15. Qualified business income deduction. Enter the amount from line 15 on Form 1040, line 9.

Line 16. Total qualified business loss carryforward. Add lines 2 and 3. If the amount is more than zero, enter -0-. This is the amount to be carried forward to next year.

Line 17. Total qualified REIT dividends and PTP loss carryforward. Add lines 6 and 7. If the amount is more than zero, enter -0-. Any amount reported on this line must be carried forward to next year.

Line 10

Taxable Income

Subtract lines 8 and 9 from line 7. If zero or less, enter -0-.

2018 Qualified Business Income Deduction—Simplified Worksheet

Keep for Your Records 

Before you begin: This worksheet is for taxpayers who:

- ✓ Have qualified business income, REIT dividends, or PTP income.
- ✓ Are not a patron in a specified agricultural or horticultural cooperative.
- ✓ Have taxable income of \$157,500 or less (\$315,000 or less if married filing jointly).

1.	(a) Trade or business name	(b) Employer identification number	(c) Qualified business income or (loss)
i.			
ii.			
iii.			
iv.			

2. Total qualified business income or (loss). Add the amounts in 1i through 1iv, column 1(c) 2.

Note. If reporting qualified business income or (loss) from more than four trades or businesses, see the instructions for line 2 of this worksheet.

3. Qualified business loss carryforward from the prior year 3.

4. Total qualified business income. Combine lines 2 and 3. If zero or less, enter -0- 4.

5. Qualified business income component. Multiply line 4 by 20% (0.20) 5.

6. Qualified REIT dividends and PTP income or (loss) 6.

7. Qualified REIT dividends and PTP loss carryforward from the prior year 7.

8. Total qualified REIT dividends and PTP income. Add lines 6 and 7. If zero or less, enter -0- 8.

9. REIT and PTP component. Multiply line 8 by 20% (0.20) 9.

10. Qualified business income deduction before the income limitation. Add lines 5 and 9 10.

11. Taxable income before qualified business income deduction 11.

12. Net capital gain (see instructions) 12.

13. Subtract line 12 from line 11. If zero or less, enter -0- 13.

14. Income limitation. Multiply line 13 by 20% (0.20) 14.

15. Qualified business income deduction. Enter the smaller of line 10 or line 14 15.

16. Total qualified business loss carryforward. Add lines 2 and 3. If more than zero, enter -0- 16.

17. Total qualified REIT dividends and PTP loss carryforward. Add lines 6 and 7. If more than zero, enter -0- 17.



If you have a domestic production activities deduction passed through from an agricultural or horticultural cooperative under section 199A(g), attach a statement to your return titled “DPAD 199A(g).” Reduce the amount of taxable income you enter on line 10 by the amount of your deduction. See Pub. 535 for more information.

Line 11a



The amount on line 11 should include the total of the amount in the entry space on line 11a plus any amount from Schedule 2.

Tax

Include in the total on the entry space on line 11a all of the following taxes that apply.

- Tax on your taxable income. Figure the tax using one of the methods described, later.
- Tax from Form(s) 8814 (relating to the election to report child's interest or dividends). Check the appropriate box.
- Tax from Form 4972 (relating to lump-sum distributions). Check the appropriate box.
- Tax due to making a section 962 election (the election made by a domestic shareholder of a controlled foreign corporation to be taxed at corporate rates). See section 962 for details. Check box 3 and enter the amount and “962” in the space next to that box. Attach a statement showing how you figured the tax.
- Recapture of an education credit. You may owe this tax if you claimed an education credit in an earlier year, and either tax-free educational assistance or a refund of qualified expenses was received in 2018 for the student. See Form 8863 for more details. Check box 3 and enter the amount and “ECR” in the space next to that box.
- Any tax from Form 8621, line 16e, relating to a section 1291 fund. Check box 3 and enter the amount of the tax and “1291TAX” in the space next to that box.
- Repayment of any excess advance payments of the health coverage tax credit from Form 8885. Check box 3 and enter the amount of the repayment and “HCTC” in the space next to that box.

- Net tax liability deferred under section 965(i). If you have a deferred net 965 tax liability under section 965(i), check box 3 and enter (as a negative number) the amount of the deferred net 965 tax liability and “965” on the line next to that box.

- Triggering event under section 965(i). If you had a triggering event under section 965(i) during the year and did not enter into a transfer agreement, check box 3 and enter the amount of the triggered deferred net 965 tax liability and enter “965INC” on the line next to the box.

Do you want the IRS to figure the tax on your taxable income for you?

Yes. See chapter 29 of Pub. 17 for details, including who is eligible and what to do. If you have paid too much, we will send you a refund. If you didn't pay enough, we will send you a bill.

No. Use one of the following methods to figure your tax.

Tax Table or Tax Computation Worksheet. If your taxable income is less than \$100,000, you must use the Tax Table, later in these instructions, to figure your tax. Be sure you use the correct column. If your taxable income is \$100,000 or more, use the Tax Computation Worksheet right after the Tax Table.

However, don't use the Tax Table or Tax Computation Worksheet to figure your tax if any of the following applies.

Form 8615. Form 8615 generally must be used to figure the tax on your unearned income over \$2,100 if you are under age 18, and in certain situations if you are older.

You must file Form 8615 if you meet all of the following conditions.

1. You had more than \$2,100 of unearned income (such as taxable interest, ordinary dividends, or capital gains (including capital gain distributions)).
2. You are required to file a tax return.
3. You were either:
 - a. Under age 18 at the end of 2018,
 - b. Age 18 at the end of 2018 and didn't have earned income that was more than half of your support, or

c. A full-time student at least age 19 but under age 24 at the end of 2018 and didn't have earned income that was more than half of your support.

4. At least one of your parents was alive at the end of 2018.

5. You don't file a joint return in 2018.

A child born on January 1, 2001, is considered to be age 18 at the end of 2018; a child born on January 1, 2000, is considered to be age 19 at the end of 2018; and a child born on January 1, 1995, is considered to be age 24 at the end of 2018.

Schedule D Tax Worksheet. If you have to file Schedule D, and line 18 or 19 of Schedule D is more than zero, use the Schedule D Tax Worksheet in the Instructions for Schedule D to figure the amount to enter on Form 1040, line 11a. But if you are filing Form 2555 or 2555-EZ, you must use the Foreign Earned Income Tax Worksheet instead.

Qualified Dividends and Capital Gain Tax Worksheet. Use the Qualified Dividends and Capital Gain Tax Worksheet, later, to figure your tax if you don't have to use the Schedule D Tax Worksheet and if any of the following applies.

- You reported qualified dividends on Form 1040, line 3a.
- You don't have to file Schedule D and you reported capital gain distributions on Schedule 1, line 13.
- You are filing Schedule D and Schedule D, lines 15 and 16, are both more than zero.

But if you are filing Form 2555 or 2555-EZ, you must use the Foreign Earned Income Tax Worksheet instead.

Schedule J. If you had income from farming or fishing (including certain amounts received in connection with the Exxon Valdez litigation), your tax may be less if you choose to figure it using income averaging on Schedule J.

Foreign Earned Income Tax Worksheet. If you claimed the foreign earned income exclusion, housing exclusion, or housing deduction on Form 2555 or 2555-EZ, you must figure your tax using the Foreign Earned Income Tax Worksheet.

Foreign Earned Income Tax Worksheet—Line 11a

Keep for Your Records 



If Form 1040, line 10, is zero, don't complete this worksheet.

- | | | |
|--|-----|--|
| 1. Enter the amount from Form 1040, line 10 | 1. | |
| 2a. Enter the amount from your (and your spouse's, if filing jointly) Form 2555, lines 45 and 50, or Form 2555-EZ, line 18 | 2a. | |
| b. Enter the total amount of any itemized deductions or exclusions you couldn't claim because they are related to excluded income | b. | |
| c. Subtract line 2b from line 2a. If zero or less, enter -0- | c. | |
| 3. Add lines 1 and 2c | 3. | |
| 4. Figure the tax on the amount on line 3. Use the Tax Table, Tax Computation Worksheet, Qualified Dividends and Capital Gain Tax Worksheet,* Schedule D Tax Worksheet,* or Form 8615, whichever applies. See the instructions for line 11a to see which tax computation method applies. (Don't use a second Foreign Earned Income Tax Worksheet to figure the tax on this line.) | 4. | |
| 5. Figure the tax on the amount on line 2c. If the amount on line 2c is less than \$100,000, use the Tax Table to figure this tax. If the amount on line 2c is \$100,000 or more, use the Tax Computation Worksheet | 5. | |
| 6. Subtract line 5 from line 4. Enter the result. If zero or less, enter -0-. Also include this amount on the entry space on Form 1040, line 11a | 6. | |

** Enter the amount from line 3 above on line 1 of the Qualified Dividends and Capital Gain Tax Worksheet or Schedule D Tax Worksheet if you use either of those worksheets to figure the tax on line 4 above. Complete the rest of that worksheet through line 6 (line 10 if you use the Schedule D Tax Worksheet). Next, you must determine if you have a capital gain excess. To find out if you have a capital gain excess, subtract Form 1040, line 10, from line 6 of your Qualified Dividends and Capital Gain Tax Worksheet (line 10 of your Schedule D Tax Worksheet). If the result is more than zero, that amount is your capital gain excess.*

If you don't have a capital gain excess, complete the rest of either of those worksheets according to the worksheet's instructions. Then complete lines 5 and 6 above.

If you have a capital gain excess, complete a second Qualified Dividends and Capital Gain Tax Worksheet or Schedule D Tax Worksheet (whichever applies) as instructed above but in its entirety and with the following additional modifications. Then complete lines 5 and 6 above. These modifications are to be made only for purposes of filling out the Foreign Earned Income Tax Worksheet above.

- 1. Reduce (but not below zero) the amount you would otherwise enter on line 3 of your Qualified Dividends and Capital Gain Tax Worksheet or line 9 of your Schedule D Tax Worksheet by your capital gain excess.*
- 2. Reduce (but not below zero) the amount you would otherwise enter on line 2 of your Qualified Dividends and Capital Gain Tax Worksheet or line 6 of your Schedule D Tax Worksheet by any of your capital gain excess not used in (1) above.*
- 3. Reduce (but not below zero) the amount on your Schedule D (Form 1040), line 18, by your capital gain excess.*
- 4. Include your capital gain excess as a loss on line 16 of your Unrecaptured Section 1250 Gain Worksheet in the Instructions for Schedule D (Form 1040).*

Qualified Dividends and Capital Gain Tax Worksheet—Line 11a

Keep for Your Records



Before you begin: ✓ See the earlier instructions for line 11a to see if you can use this worksheet to figure your tax.
 ✓ Before completing this worksheet, complete Form 1040 through line 10.
 ✓ If you don't have to file Schedule D and you received capital gain distributions, be sure you checked the box on line 13 of Schedule 1.

1.	Enter the amount from Form 1040, line 10. However, if you are filing Form 2555 or 2555-EZ (relating to foreign earned income), enter the amount from line 3 of the Foreign Earned Income Tax Worksheet	1.	_____
2.	Enter the amount from Form 1040, line 3a*	2.	_____
3.	Are you filing Schedule D?*		
	<input type="checkbox"/> Yes. Enter the smaller of line 15 or 16 of Schedule D. If either line 15 or 16 is blank or a loss, enter -0-.	} 3.	_____
	<input type="checkbox"/> No. Enter the amount from Schedule 1, line 13.		
4.	Add lines 2 and 3	4.	_____
5.	If filing Form 4952 (used to figure investment interest expense deduction), enter any amount from line 4g of that form. Otherwise, enter -0-	5.	_____
6.	Subtract line 5 from line 4. If zero or less, enter -0-	6.	_____
7.	Subtract line 6 from line 1. If zero or less, enter -0-	7.	_____
8.	Enter: \$38,600 if single or married filing separately, \$77,200 if married filing jointly or qualifying widow(er), \$51,700 if head of household.	} 8.	_____
9.	Enter the smaller of line 1 or line 8		
10.	Enter the smaller of line 7 or line 9	10.	_____
11.	Subtract line 10 from line 9. This amount is taxed at 0%	11.	_____
12.	Enter the smaller of line 1 or line 6	12.	_____
13.	Enter the amount from line 11	13.	_____
14.	Subtract line 13 from line 12	14.	_____
15.	Enter: \$425,800 if single, \$239,500 if married filing separately, \$479,000 if married filing jointly or qualifying widow(er), \$452,400 if head of household.	} 15.	_____
16.	Enter the smaller of line 1 or line 15		
17.	Add lines 7 and 11	17.	_____
18.	Subtract line 17 from line 16. If zero or less, enter -0-	18.	_____
19.	Enter the smaller of line 14 or line 18	19.	_____
20.	Multiply line 19 by 15% (0.15)	20.	_____
21.	Add lines 11 and 19	21.	_____
22.	Subtract line 21 from line 12	22.	_____
23.	Multiply line 22 by 20% (0.20)	23.	_____
24.	Figure the tax on the amount on line 7. If the amount on line 7 is less than \$100,000, use the Tax Table to figure the tax. If the amount on line 7 is \$100,000 or more, use the Tax Computation Worksheet	24.	_____
25.	Add lines 20, 23, and 24	25.	_____
26.	Figure the tax on the amount on line 1. If the amount on line 1 is less than \$100,000, use the Tax Table to figure the tax. If the amount on line 1 is \$100,000 or more, use the Tax Computation Worksheet	26.	_____
27.	Tax on all taxable income. Enter the smaller of line 25 or 26. Also include this amount on the entry space on Form 1040, line 11a. If you are filing Form 2555 or 2555-EZ, don't enter this amount on the entry space on Form 1040, line 11a. Instead, enter it on line 4 of the Foreign Earned Income Tax Worksheet	27.	_____

* If you are filing Form 2555 or 2555-EZ, see the footnote in the Foreign Earned Income Tax Worksheet before completing this line.

Line 11b

See the Instructions for Schedule 2. If you owe alternative minimum tax or excess premium tax credit repayment, add those amounts to the amount in the entry space on Form 1040, line 11a and enter the total on line 11.

Line 12a

Child Tax Credit and Credit for Other Dependents

Form 8862, who must file. You must file Form 8862 to claim the child tax credit or credit for other dependents if your child tax credit or additional child tax credit for a year after 2015 was de-

nied or reduced for any reason other than a math or clerical error. Attach a completed Form 8862 to your 2018 return. Don't file Form 8862 if you filed Form 8862 for 2017 and the child tax credit or additional child tax credit was allowed for that year. See Form 8862 and its instructions for details.



If you take the child tax credit or credit for other dependents even though you aren't eligible and it is determined that your error is due to reckless or intentional disregard of the rules for these credits, you won't be allowed to take either credit or the additional child tax credit for 2 years even if you're otherwise eligible to do so. If you take the child tax credit or

credit for other dependents even though you aren't eligible and it is later determined that you fraudulently took either credit, you won't be allowed to take either credit or the additional child tax credit for 10 years. You may also have to pay penalties.



If your qualifying child didn't have an SSN valid for employment issued before the due date of your 2018 return (including extensions), you can't claim the child tax credit for that child on your original or amended return. However, you may be able to claim the credit for other dependents for that child.

2018 Child Tax Credit and Credit for Other Dependents Worksheet—Line 12a

Keep for Your Records



1. To be a qualifying child for the child tax credit, the child must be your dependent, **under age 17** at the end of 2018, and meet all the conditions in Steps 1 through 3 under *Who Qualifies as Your Dependent*. Make sure you checked the "child tax credit" box in column (4) of the *Dependents* section on Form 1040 for each qualifying child.
2. If you don't have a qualifying child, you can't claim the child tax credit; but you may be able to claim the credit for other dependents for that child, see Step 3 under *Who Qualifies as Your Dependent*.
3. To see if your qualifying relative qualifies you to take the credit for other dependents, see Step 5 under *Who Qualifies as Your Dependent*.
4. Be sure to see *Social security number* under *Who Qualifies as Your Dependent*.
5. Do **not** use this worksheet, but use Pub. 972 instead, if:
 - a. You are claiming the adoption credit, mortgage interest credit, District of Columbia first-time homebuyer credit, or residential energy efficient property credit*;
 - b. You are excluding income from Puerto Rico; or
 - c. You are filing Form 2555, 2555-EZ, or 4563.

*If applicable.

Part 1

<p>1. Number of qualifying children under age 17 with the required social security number: _____ × \$2,000. Enter the result.</p>	1				
<p>2. Number of other dependents, including qualifying children without the required social security number: _____ × \$500. Enter the result.</p> <p>Caution. Don't include yourself, your spouse, or anyone who is not a U.S. citizen, U.S. national, or U.S. resident alien. Also, don't include anyone you included on line 1.</p>	2				
<p>3. Add lines 1 and 2.</p>	3				
<p>4. Enter the amount from Form 1040, line 7.</p>	4				
<p>5. Enter the amount shown below for your filing status.</p> <table style="margin-left: 20px; border: none;"> <tr> <td style="padding-right: 10px;">● Married filing jointly — \$400,000</td> <td rowspan="2" style="font-size: 3em; padding: 0 10px;">}</td> </tr> <tr> <td>● All other filing statuses — \$200,000</td> </tr> </table>	● Married filing jointly — \$400,000	}	● All other filing statuses — \$200,000	5	
● Married filing jointly — \$400,000	}				
● All other filing statuses — \$200,000					
<p>6. Is the amount on line 4 more than the amount on line 5?</p> <p><input type="checkbox"/> No. Leave line 6 blank. Enter -0- on line 7, and go to line 8.</p> <p><input type="checkbox"/> Yes. Subtract line 5 from line 4. If the result isn't a multiple of \$1,000, increase it to the next multiple of \$1,000. For example, increase \$425 to \$1,000, increase \$1,025 to \$2,000, etc.</p>	6				
<p>7. Multiply the amount on line 6 by 5% (0.05). Enter the result.</p>	7				
<p>8. Is the amount on line 3 more than the amount on line 7?</p> <p><input type="checkbox"/> No. You can't take the child tax credit on Form 1040, line 12a. You also can't take the additional child tax credit on Form 1040, line 17b. Complete the rest of your Form 1040.</p> <p><input type="checkbox"/> Yes. Subtract line 7 from line 3. Enter the result. <i>Go to Part 2.</i></p>	8				

2018 Child Tax Credit and Credit for Other Dependents Worksheet—Continued

Keep for Your Records



Before you begin Part 2: ✓ Figure the amount of any credits you are claiming on Schedule 3; Form 5695, Part II*; Form 8910; Form 8936; or Schedule R.

Part 2

9. Enter the amount from Form 1040, line 11. 9

10. Add any amounts from:
- Schedule 3, line 48 _____
 - Schedule 3, line 49 + _____
 - Schedule 3, line 50 + _____
 - Schedule 3, line 51 + _____
 - Form 5695, line 30* + _____
 - Form 8910, line 15 + _____
 - Form 8936, line 23 + _____
 - Schedule R, line 22 + _____

Enter the total. 10

11. Are the amounts on lines 9 and 10 the same?

Yes. You can't take this credit because there is no tax to reduce. However, you may be able to take the **additional child tax credit** if line 1 is more than zero. See the **TIP** below. 11

No. Subtract line 10 from line 9.

12. Is the amount on line 8 more than the amount on line 11?

Yes. Enter the amount from line 11. Also, you may be able to take the **additional child tax credit** if line 1 is more than zero. See the **TIP** below. 12

No. Enter the amount from line 8. Enter this amount on Form 1040, line 12a.

This is your child tax credit and credit for other dependents.



You may be able to take the **additional child tax credit** on Form 1040, line 17b, if you answered "Yes" on line 11 or line 12 above.

- First, complete your Form 1040 through line 17a (also complete Schedule 5, line 72).
- Then, use Schedule 8812 to figure any additional child tax credit.



If your child tax credit or additional child tax credit for a year after 2015 was reduced or disallowed, see Form 8862, who must file to find out if you must file Form 8862 to take the credit for 2018.

* If applicable.

Payments

Line 16

Federal Income Tax Withheld



Due to tax reform your withholding may have decreased in 2018. This means you may have gotten more money in your paycheck throughout 2018, however, this may also mean that you may receive a smaller refund than you expected or may even owe tax if you didn't adjust your withholding.

Add the amounts shown as federal income tax withheld on your Forms W-2, W-2G, and 1099-R. Enter the total on line 16. The amount withheld should be shown in box 2 of Form W-2 and in box 4 of Form W-2G or 1099-R. Attach your Form(s) W-2 to your return. Attach Forms W-2G and 1099-R to the front of your return if federal income tax was withheld.

If you received a 2018 Form 1099 showing federal income tax withheld on dividends, taxable or tax-exempt interest income, unemployment compensation, social security benefits, railroad retirement benefits, or other income you received, include the amount withheld in the total on line 16. This should be

shown in box 4 of Form 1099, box 6 of Form SSA-1099, or box 10 of Form RRB-1099.

If you had Additional Medicare Tax withheld, include the amount shown on Form 8959, line 24, in the total on line 16. Attach Form 8959.

Include on line 16 any federal income tax withheld that is shown on a Schedule K-1.

Also include on line 16 any tax withheld that is shown on Form 1042-S, Form 8805, or Form 8288-A. You should attach the form to your return to claim a credit for the withholding.

Line 17a— Earned Income Credit (EIC)

What Is the EIC?

The EIC is a credit for certain people who work. The credit may give you a refund even if you don't owe any tax or didn't have any tax withheld.

To Take the EIC:

- Follow the steps below.
- Complete the worksheet that applies to you or let the IRS figure the credit for you.
- If you have a qualifying child, complete and attach Schedule EIC.

TIP *The amount you enter on line 17 will be the total of your EIC, plus any additional child tax credit and American opportunity credit, plus any amount from Schedule 5.*

For help in determining if you are eligible for the EIC, go to IRS.gov/EITC and click on "EITC Assistant." This service is available in English and Spanish.

CAUTION *If you take the EIC even though you aren't eligible and it is determined that your error is due to reckless or intentional disregard of the EIC rules, you won't be allowed to take the credit for 2 years even if you are otherwise eligible to do so. If you fraudulently take the EIC, you won't be allowed to take the credit for 10 years. See Form 8862, who must file, later. You also may have to pay penalties.*

TIP *Refunds for returns claiming the earned income credit can't be issued before mid-February 2019. This delay applies to the entire refund, not just the portion associated with the earned income credit.*

Step 1 All Filers

- If, in 2018:
 - 3 or more children lived with you, is the amount on Form 1040, line 7, less than \$49,194 (\$54,884 if married filing jointly)?
 - 2 children lived with you, is the amount on Form 1040, line 7, less than \$45,802 (\$51,492 if married filing jointly)?
 - 1 child lived with you, is the amount on Form 1040, line 7, less than \$40,320 (\$46,010 if married filing jointly)?
 - No children lived with you, is the amount on Form 1040, line 7, less than \$15,270 (\$20,950 if married filing jointly)?

Yes. Continue  **No.**  You can't take the credit.
- Do you, and your spouse if filing a joint return, have a social security number issued on or before the due date of your 2018 return (including extensions) that allows you to

work and is valid for EIC purposes (explained later under *Definitions and Special Rules*)?

- Yes.** Continue  **No.** 

You can't take the credit. Enter "No" in the space to the left of line 17.

- Is your filing status married filing separately?

- Yes.**  **No.** Continue 

You can't take the credit.

- Are you filing Form 2555 or 2555-EZ (relating to foreign earned income)?

- Yes.**  **No.** Continue 

You can't take the credit.

- Were you or your spouse a nonresident alien for any part of 2018?

- Yes.** See *Nonresident aliens*, later, under *Definitions and Special Rules*. **No.** Go to Step 2.

Step 2 Investment Income

- Add the amounts from Form 1040:

Line 2a		_____
Line 2b	+	_____
Line 3b	+	_____
Schedule 1,	+	_____
Line 13*		_____

Investment Income =

*If line 13 is a loss, enter -0-.

- Is your investment income more than \$3,500?

- Yes.** Continue  **No.** Skip question 3; go to question 4.

- Are you filing Form 4797 (relating to sales of business property)?

- Yes.** See *Form 4797 filers*, later, under *Definitions and Special Rules*. **No.**  You can't take the credit.

- Do any of the following apply for 2018?
 - You are filing Schedule E.

- You are reporting income from the rental of personal property not used in a trade or business.
 - You are filing Form 8814 (relating to election to report child's interest and dividends on your return).
 - You have income or loss from a passive activity.
- Yes.** Use Worksheet 1 **No.** Go to Step 3. in Pub. 596 to see if you can take the credit.

Step 3 Qualifying Child

A qualifying child for the EIC is a child who is your...

Son, daughter, stepchild, foster child, brother, sister, stepbrother, stepsister, half brother, half sister, or a descendant of any of them (for example, your grandchild, niece, or nephew)

AND

was ...

Under age 19 at the end of 2018 and younger than you (or your spouse, if filing jointly)

or

Under age 24 at the end of 2018, a student (defined later), and younger than you (or your spouse, if filing jointly)

or

Any age and permanently and totally disabled (defined later)

AND

Who isn't filing a joint return for 2018 or is filing a joint return for 2018 only to claim a refund of withheld income tax or estimated tax paid (see Pub. 596 for examples)

AND

Who lived with you in the United States for more than half of 2018.



You can't take the credit for a child who didn't live with you for more than half the year, even if you paid most of the child's living expenses. The IRS may ask you for documents to show you lived with each qualifying child. Documents you might want to keep for this purpose include school and child care records and other records that show your child's address.



If the child didn't live with you for more than half of 2018 because of a temporary absence, birth, death, or kidnapping, see Exception to time lived with you, later.



If the child meets the conditions to be a qualifying child of any other person (other than your spouse if filing a joint return) for 2018, see Qualifying child of more than one person, later. If the child was married, see Married child, later.

- Are you claiming at least one child who meets the conditions to be your qualifying child and, unless the child was born and died in 2018, has a valid SSN as defined later?
 - Yes.** Continue
 - No.** Skip questions 2 and 3; go to Step 4.

- Are you filing a joint return for 2018?
 - Yes.** Skip question 3 and Step 4; go to Step 5.
 - No.** Continue

- Could you be a qualifying child of another person for 2018? (Check "No" if the other person isn't required to file, and isn't filing, a 2018 tax return or is filing a 2018 return only to claim a refund of withheld income tax or estimated tax paid (see Pub. 596 for examples).)
 - Yes.** You can't take the credit. Enter "No" in the space to the left of line 17.
 - No.** Skip Step 4; go to Step 5.

Step 4 Filers Without a Qualifying Child

- Is the amount on Form 1040, line 7, less than \$15,270 (\$20,950 if married filing jointly)?
 - Yes.** Continue
 - No.** You can't take the credit.
- Were you, or your spouse if filing a joint return, at least age 25 but under age 65 at the end of 2018? (Check "Yes" if you, or your spouse if filing a joint return, were born after December 31, 1953, and before January 2, 1994.) If your spouse died in 2018 or if you are preparing a return for someone who died in 2018, see Pub. 596 before you answer.
 - Yes.** Continue
 - No.** You can't take the credit.

- Was your main home, and your spouse's if filing a joint return, in the United States for more than half of 2018? Members of the military stationed outside the United States, see *Members of the military*, later, before you answer.
 - Yes.** Continue
 - No.** You can't take the credit. Enter "No" in the space to the left of line 17.

- Are you filing a joint return for 2018?
 - Yes.** Skip questions 5 and 6; go to Step 5.
 - No.** Continue

- Could you be a qualifying child of another person for 2018? (Check "No" if the other person isn't required to file, and isn't filing, a 2018 tax return or is filing a 2018 return only

to claim a refund of withheld income tax or estimated tax paid (see Pub. 596 for examples.)

- Yes.**  **No.** Continue 

You can't take the credit. Enter "No" in the space to the left of line 17.

6. Can you be claimed as a dependent on someone else's 2018 tax return?

- Yes.**  **No.** Go to Step 5.

You can't take the credit.

Step 5 Earned Income

1. Are you filing Schedule SE because you were a member of the clergy or you had church employee income of \$108.28 or more?

- Yes.** See *Clergy or Church employees*, whichever applies. **No.** Complete the following worksheet.

1. Enter the amount from Form 1040, line 1 1. _____
2. Enter any amount included on Form 1040, line 1, that is a taxable scholarship or fellowship grant not reported on a Form W-2 2. _____
3. Enter any amount included on Form 1040, line 1, that you received for work performed while an inmate in a penal institution. (Enter "PRI" and the same amount on the dotted line next to Form 1040, line 1.) 3. _____
4. Enter any amount included on Form 1040, line 1, that you received as a pension or annuity from a nonqualified deferred compensation plan or a nongovernmental section 457 plan. (Enter "DFC" and the same amount on the dotted line next to Form 1040, line 1.) This amount may be shown in box 11 of Form W-2. If you received such an amount but box 11 is blank, contact your employer for the amount received 4. _____
5. Enter any amount included on Form 1040, line 1, that is a Medicaid waiver payment you exclude from income. (See the instructions for Schedule 1, line 21.) 5. _____
6. Add lines 2, 3, 4, and 5 6. _____

7. Subtract line 6 from line 1 7. _____
8. Enter all of your nontaxable combat pay if you elect to include it in earned income. Also enter "NCP" and the amount of your nontaxable combat pay in the space to the left of line 17 on Form 1040. See *Combat pay, nontaxable*, later 8. _____



CAUTION Electing to include nontaxable combat pay may increase or decrease your EIC. Figure the credit with and without your nontaxable combat pay before making the election.

9. Add lines 7 and 8. **This is your earned income** 9. _____

2. Were you self-employed at any time in 2018, or are you filing Schedule SE because you were a member of the clergy or you had church employee income, or are you filing Schedule C or C-EZ as a statutory employee?

- Yes.** Skip question 3 and Step 6; go to Worksheet B. **No.** Continue 

3. If you have:
- 3 or more qualifying children, is your earned income less than \$49,194 (\$54,884 if married filing jointly)?
 - 2 qualifying children, is your earned income less than \$45,802 (\$51,492 if married filing jointly)?
 - 1 qualifying child, is your earned income less than \$40,320 (\$46,010 if married filing jointly)?
 - No qualifying children, is your earned income less than \$15,270 (\$20,950 if married filing jointly)?

- Yes.** Go to Step 6. **No.** 

You can't take the credit.

Step 6 How To Figure the Credit

1. Do you want the IRS to figure the credit for you?
- Yes.** See *Credit figured by the IRS*, later. **No.** Go to Worksheet A.

Definitions and Special Rules

Adopted child. An adopted child is always treated as your own child. An adopted child includes a child lawfully placed with you for legal adoption.

Church employees. Determine how much of the amount on Form 1040, line 1, also was reported on Schedule SE, Section B, line 5a. Subtract that amount from the amount on Form 1040, line 1, and enter the result on line 1 of the worksheet in Step 5 (instead of entering the actual amount from Form 1040, line 1). Be sure to answer "Yes" to question 2 in Step 5.

Clergy. The following instructions apply to ministers, members of religious orders who have not taken a vow of poverty, and Christian Science practitioners. If you are filing Schedule SE and the amount on line 2 of that schedule includes an

amount that also was reported on Form 1040, line 1 do the following.

1. Enter “Clergy” in the space to the left of Form 1040, line 17.
2. Determine how much of the amount on Form 1040, line 1, also was reported on Schedule SE, Section A, line 2, or Section B, line 2.
3. Subtract that amount from the amount on Form 1040, line 1. Enter the result on line 1 of the worksheet in Step 5 (instead of entering the actual amount from Form 1040, line 1).
4. Be sure to answer “Yes” to question 2 in Step 5.

Combat pay, nontaxable. If you were a member of the U.S. Armed Forces who served in a combat zone, certain pay is excluded from your income. See *Combat Zone Exclusion* in Pub. 3. You can elect to include this pay in your earned income when figuring the EIC. The amount of your nontaxable combat pay should be shown in box 12 of Form(s) W-2 with code Q. If you are filing a joint return and both you and your spouse received nontaxable combat pay, you can each make your own election. In other words, if one of you makes the election, the other one also can make it but doesn't have to.



If you elect to use your nontaxable combat pay in figuring your EIC, enter “NCP” and the amount in the space to the left of line 17.

Credit figured by the IRS. To have the IRS figure your EIC:

1. Enter “EIC” in the space to the left of Form 1040, line 17.
2. Be sure you enter the nontaxable combat pay you elect to include in earned income by entering “NCP” and the amount in the space to the left of line 17 on Form 1040. See *Combat pay, nontaxable*, earlier.
3. If you have a qualifying child, complete and attach Schedule EIC. If your EIC for a year after 1996 was reduced or disallowed, see *Form 8862, who must file*, later.

Exception to time lived with you. Temporary absences by you or the child for special circumstances, such as school, vacation, business, medical care, military service, or detention in a juvenile facility, count as time the child lived with you. Also see *Kidnapped child* under *Who Qualifies as Your Dependent*, earlier, and *Members of the military*, later. A child is considered to have lived with you for more than half of 2018 if the child was born or died in 2018 and your home was this child's home for more than half the time he or she was alive in 2018.

Form 4797 filers. If the amount on Schedule 1, line 13, includes an amount from Form 4797, you must use Worksheet 1 in Pub. 596 to see if you can take the EIC. Otherwise, stop; you can't take the EIC.

Form 8862, who must file. You must file Form 8862 if your EIC for a year after 1996 was reduced or disallowed for any reason other than a math or clerical error. But don't file Form 8862 if either of the following applies.

- You filed Form 8862 for another year, the EIC was allowed for that year, and your EIC hasn't been reduced or disallowed again for any reason other than a math or clerical error.
 - You are taking the EIC without a qualifying child and the only reason your EIC was reduced or disallowed in the other year was because it was determined that a child listed on Schedule EIC wasn't your qualifying child.
- Also, don't file Form 8862 or take the credit for the:
- 2 years after the most recent tax year for which there was a final determination that your EIC claim was due to reckless or intentional disregard of the EIC rules, or
 - 10 years after the most recent tax year for which there was a final determination that your EIC claim was due to fraud.

Foster child. A foster child is any child placed with you by an authorized placement agency or by judgment, decree, or other order of any court of competent jurisdiction. For more details on authorized placement agencies, see Pub. 596.

Married child. A child who was married at the end of 2018 is a qualifying child only if (a) you can claim him or her as your dependent, or (b) you could have claimed him or her as your dependent except for the special rule for *Children of divorced or separated parents* under *Who Qualifies as Your Dependent*, earlier.

Members of the military. If you were on extended active duty outside the United States, your main home is considered to be in the United States during that duty period. Extended active duty is military duty ordered for an indefinite period or for a period of more than 90 days. Once you begin serving extended active duty, you are considered to be on extended active duty even if you don't serve more than 90 days.

Nonresident aliens. If your filing status is married filing jointly, go to Step 2. Otherwise, stop; you can't take the EIC. Enter “No” in the space to the left of line 17.

Permanently and totally disabled. A person is permanently and totally disabled if, at any time in 2018, the person couldn't engage in any substantial gainful activity because of a physical or mental condition and a doctor has determined that this condition (a) has lasted or can be expected to last continuously for at least a year, or (b) can be expected to lead to death.

Qualifying child of more than one person. Even if a child meets the conditions to be the qualifying child of more than one person, only one person can claim the child as a qualifying child for all of the following tax benefits, unless the special rule for *Children of divorced or separated parents* under *Who Qualifies as Your Dependent*, earlier, applies.

1. Child tax credit, credit for other dependents, and additional child tax credit (lines 12a and 17b).
2. Head of household filing status.
3. Credit for child and dependent care expenses (Schedule 3, line 49).
4. Exclusion for dependent care benefits (Form 2441, Part III).
5. Earned income credit (line 17a).

No other person can take any of the five tax benefits just listed based on the qualifying child. If you and any other person can claim the child as a qualifying child, the following rules apply.

- If only one of the persons is the child's parent, the child is treated as the qualifying child of the parent.
- If the parents file a joint return together and can claim the child as a qualifying child, the child is treated as the qualifying child of the parents.
- If the parents don't file a joint return together but both parents claim the child as a qualifying child, the IRS will treat the child as the qualifying child of the parent with whom the child lived for the longer period of time in 2018. If the child lived with each parent for the same amount of time, the IRS will treat the child as the qualifying child of the parent who had the higher adjusted gross income (AGI) for 2018.
- If no parent can claim the child as a qualifying child, the child is treated as the qualifying child of the person who had the highest AGI for 2018.
- If a parent can claim the child as a qualifying child but no parent does so claim the child, the child is treated as the qualifying child of the person who had the highest AGI for 2018, but only if that person's AGI is higher than the highest AGI of any parent of the child who can claim the child.



If, under these rules, you can't claim a child as a qualifying child for the EIC, you may be able to claim the EIC under the rules for a taxpayer without a qualifying child. For more information, see Pub. 596.

Example. Your daughter meets the conditions to be a qualifying child for both you and your mother. Your daughter doesn't meet the conditions to be a qualifying child of any other person, including her other parent. Under the rules just described, you can claim your daughter as a qualifying child for all of the five tax benefits listed here for which you otherwise qualify. Your mother can't claim any of the five tax benefits listed here based on your daughter. However, if your mother's AGI is higher than yours and you don't claim your daughter as a qualifying child, your daughter is the qualifying child of your mother.

For more details and examples, see Pub. 596.

If you won't be taking the EIC with a qualifying child, enter "No" in the space to the left of line 17. Otherwise, go to Step 3, question 1.

Social security number (SSN). For the EIC, a valid SSN is a number issued by the Social Security Administration unless "Not Valid for Employment" is printed on the social security card and the number was issued solely to allow the recipient of the SSN to apply for or receive a federally funded benefit. However, if "Valid for Work Only With DHS Authorization" is printed on your social security card, your SSN is valid for EIC purposes only as long as the DHS authorization is still valid.

To find out how to get an SSN, see *Social Security Number (SSN)* near the beginning of these instructions. If you won't have an SSN by the date your return is due, see *What if You Can't File on Time?*

If you didn't have an SSN issued on or before the due date of your 2018 return (including extensions), you can't claim the EIC on your original or an amended 2018 return. Also, if a child didn't have an SSN issued on or before the due date of your return (including extensions), you can't count that child as a qualifying child in figuring the EIC on your original or an amended 2018 return.

Student. A student is a child who during any part of 5 calendar months of 2018 was enrolled as a full-time student at a school, or took a full-time, on-farm training course given by a school or a state, county, or local government agency. A school includes a technical, trade, or mechanical school. It doesn't include an on-the-job training course, correspondence school, or school offering courses only through the Internet.

Welfare benefits, effect of credit on. Any refund you receive as a result of taking the EIC can't be counted as income when determining if you or anyone else is eligible for benefits or assistance, or how much you or anyone else can receive, under any federal program or under any state or local program financed in whole or in part with federal funds. These programs include Temporary Assistance for Needy Families (TANF), Medicaid, Supplemental Security Income (SSI), and Supplemental Nutrition Assistance Program (food stamps). In addition, when determining eligibility, the refund can't be counted as a resource for at least 12 months after you receive it. Check with your local benefit coordinator to find out if your refund will affect your benefits.

Worksheet A—2018 EIC—Line 17a

Keep for Your Records 

Before you begin: ✓ Be sure you are using the correct worksheet. Use this worksheet only if you answered “No” to Step 5, question 2. Otherwise, use Worksheet B.

Part 1
All Filers Using Worksheet A

1. Enter your earned income from Step 5. 1

2. Look up the amount on line 1 above in the EIC Table (right after Worksheet B) to find the credit. Be sure you use the correct column for your filing status and the number of children you have. Enter the credit here. 2

If line 2 is zero,  You can't take the credit.
Enter “No” in the space to the left of Form 1040, line 17.

3. Enter the amount from Form 1040, line 7. 3

4. Are the amounts on lines 3 and 1 the same?

Yes. Skip line 5; enter the amount from line 2 on line 6.

No. Go to line 5.

Part 2
Filers Who Answered “No” on Line 4

5. If you have:

- No qualifying children, is the amount on line 3 less than \$8,500 (\$14,200 if married filing jointly)?
- 1 or more qualifying children, is the amount on line 3 less than \$18,700 (\$24,350 if married filing jointly)?

Yes. Leave line 5 blank; enter the amount from line 2 on line 6.

No. Look up the amount on line 3 in the EIC Table to find the credit. Be sure you use the correct column for your filing status and the number of children you have. Enter the credit here. 5

Look at the amounts on lines 5 and 2.
Then, enter the **smaller** amount on line 6.

Part 3
Your Earned Income Credit

6. **This is your earned income credit.** 6

Enter this amount on Form 1040, line 17a. ⋮

Reminder—

✓ If you have a qualifying child, complete and attach Schedule EIC. 



If your EIC for a year after 1996 was reduced or disallowed, see Form 8862, who must file, earlier, to find out if you must file Form 8862 to take the credit for 2018.

Worksheet B—2018 EIC—Line 17a

Keep for Your Records 

Use this worksheet if you answered “Yes” to Step 5, question 2.

- ✓ Complete the parts below (Parts 1 through 3) that apply to you. Then, continue to Part 4.
- ✓ If you are married filing a joint return, include your spouse’s amounts, if any, with yours to figure the amounts to enter in Parts 1 through 3.

Part 1 Self-Employed, Members of the Clergy, and People With Church Employee Income Filing Schedule SE	1a. Enter the amount from Schedule SE, Section A, line 3, or Section B, line 3, whichever applies.	1a	
	b. Enter any amount from Schedule SE, Section B, line 4b, and line 5a.	+	1b
	c. Combine lines 1a and 1b.	=	1c
	d. Enter the amount from Schedule SE, Section A, line 6, or Section B, line 13, whichever applies.	-	1d
	e. Subtract line 1d from 1c.	=	1e

Part 2 Self-Employed NOT Required To File Schedule SE <small>For example, your net earnings from self-employment were less than \$400.</small>	2. Don’t include on these lines any statutory employee income, any net profit from services performed as a notary public, any amount exempt from self-employment tax as the result of the filing and approval of Form 4029 or Form 4361, or any other amounts exempt from self-employment tax.		
	a. Enter any net farm profit or (loss) from Schedule F, line 34, and from farm partnerships, Schedule K-1 (Form 1065), box 14, code A*.	2a	
	b. Enter any net profit or (loss) from Schedule C, line 31; Schedule C-EZ, line 3; and Schedule K-1 (Form 1065), box 14, code A (other than farming)*.	+	2b
c. Combine lines 2a and 2b.	=	2c	
<i>*If you have any Schedule K-1 amounts, complete the appropriate line(s) of Schedule SE, Section A. Reduce the Schedule K-1 amounts as described in the Partner’s Instructions for Schedule K-1. Enter your name and social security number on Schedule SE and attach it to your return.</i>			

Part 3 Statutory Employees Filing Schedule C or C-EZ	3. Enter the amount from Schedule C, line 1, or Schedule C-EZ, line 1, that you are filing as a statutory employee.	3	
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Part 4 All Filers Using Worksheet B <small>Note. If line 4b includes income on which you should have paid self-employment tax but didn’t, we may reduce your credit by the amount of self-employment tax not paid.</small>	4a. Enter your earned income from Step 5.	4a	
	b. Combine lines 1e, 2c, 3, and 4a. This is your total earned income.	4b	
If line 4b is zero or less,  You can’t take the credit. Enter “No” in the space to the left of Form 1040, line 17.			
5. If you have: <ul style="list-style-type: none"> ● 3 or more qualifying children, is line 4b less than \$49,194 (\$54,884 if married filing jointly)? ● 2 qualifying children, is line 4b less than \$45,802 (\$51,492 if married filing jointly)? ● 1 qualifying child, is line 4b less than \$40,320 (\$46,010 if married filing jointly)? ● No qualifying children, is line 4b less than \$15,270 (\$20,950 if married filing jointly)? 			
<input type="checkbox"/> Yes. If you want the IRS to figure your credit, see <i>Credit figured by the IRS</i> , earlier. If you want to figure the credit yourself, enter the amount from line 4b on line 6 of this worksheet.			
<input type="checkbox"/> No.  You can’t take the credit. Enter “No” in the space to the left of Form 1040, line 17.			

Worksheet B—2018 EIC—Line 17a—Continued

Keep for Your Records



Part 5

All Filers Using Worksheet B

6. Enter your total earned income from Part 4, line 4b. 6

7. Look up the amount on line 6 above in the EIC Table to find the credit. Be sure you use the correct column for your filing status and the number of children you have. Enter the credit here. 7

If line 7 is zero, You can't take the credit. Enter "No" in the space to the left of Form 1040, line 17.

8. Enter the amount from Form 1040, line 7. 8

9. Are the amounts on lines 8 and 6 the same?
- Yes.** Skip line 10; enter the amount from line 7 on line 11.
 - No.** Go to line 10.

Part 6

Filers Who Answered "No" on Line 9

10. If you have:

- No qualifying children, is the amount on line 8 less than \$8,500 (\$14,200 if married filing jointly)?
- 1 or more qualifying children, is the amount on line 8 less than \$18,700 (\$24,350 if married filing jointly)?

Yes. Leave line 10 blank; enter the amount from line 7 on line 11.

No. Look up the amount on line 8 in the EIC Table to find the credit. Be sure you use the correct column for your filing status and the number of children you have. Enter the credit here. 10

Look at the amounts on lines 10 and 7. Then, enter the **smaller** amount on line 11.

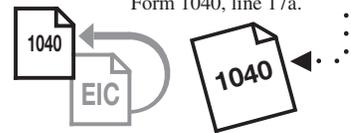
Part 7

Your Earned Income Credit

11. **This is your earned income credit.** 11

Reminder—

- ✓ If you have a qualifying child, complete and attach Schedule EIC.



Enter this amount on Form 1040, line 17a.



If your EIC for a year after 1996 was reduced or disallowed, see Form 8862, who must file, earlier, to find out if you must file Form 8862 to take the credit for 2018.

2018 Earned Income Credit (EIC) Table

Caution. This is not a tax table.

1. To find your credit, read down the "At least - But less than" columns and find the line that includes the amount you were told to look up from your EIC Worksheet.

2. Then, go to the column that includes your filing status and the number of qualifying children you have. Enter the credit from that column on your EIC Worksheet.

Example. If your filing status is single, you have one qualifying child, and the amount you are looking up from your EIC Worksheet is \$2,455, you would enter \$842.

If the amount you are looking up from the worksheet is—		And your filing status is—			
		Single, head of household, or qualifying widow(er) and the number of children you have is—			
		0	1	2	3
At least	But less than	Your credit is—			
2,400	2,450	186	825	970	1,091
2,450	2,500	189	842	990	1,114

If the amount you are looking up from the worksheet is—		And your filing status is—							
		Single, head of household, or qualifying widow(er) and the number of children you have is—				Married filing jointly and the number of children you have is—			
		0	1	2	3	0	1	2	3
At least	But less than	Your credit is—				Your credit is—			
\$1	\$50	\$2	\$9	\$10	\$11	\$2	\$9	\$10	\$11
50	100	6	26	30	34	6	26	30	34
100	150	10	43	50	56	10	43	50	56
150	200	13	60	70	79	13	60	70	79
200	250	17	77	90	101	17	77	90	101
250	300	21	94	110	124	21	94	110	124
300	350	25	111	130	146	25	111	130	146
350	400	29	128	150	169	29	128	150	169
400	450	33	145	170	191	33	145	170	191
450	500	36	162	190	214	36	162	190	214
500	550	40	179	210	236	40	179	210	236
550	600	44	196	230	259	44	196	230	259
600	650	48	213	250	281	48	213	250	281
650	700	52	230	270	304	52	230	270	304
700	750	55	247	290	326	55	247	290	326
750	800	59	264	310	349	59	264	310	349
800	850	63	281	330	371	63	281	330	371
850	900	67	298	350	394	67	298	350	394
900	950	71	315	370	416	71	315	370	416
950	1,000	75	332	390	439	75	332	390	439
1,000	1,050	78	349	410	461	78	349	410	461
1,050	1,100	82	366	430	484	82	366	430	484
1,100	1,150	86	383	450	506	86	383	450	506
1,150	1,200	90	400	470	529	90	400	470	529
1,200	1,250	94	417	490	551	94	417	490	551
1,250	1,300	98	434	510	574	98	434	510	574
1,300	1,350	101	451	530	596	101	451	530	596
1,350	1,400	105	468	550	619	105	468	550	619
1,400	1,450	109	485	570	641	109	485	570	641
1,450	1,500	113	502	590	664	113	502	590	664
1,500	1,550	117	519	610	686	117	519	610	686
1,550	1,600	120	536	630	709	120	536	630	709
1,600	1,650	124	553	650	731	124	553	650	731
1,650	1,700	128	570	670	754	128	570	670	754
1,700	1,750	132	587	690	776	132	587	690	776
1,750	1,800	136	604	710	799	136	604	710	799
1,800	1,850	140	621	730	821	140	621	730	821
1,850	1,900	143	638	750	844	143	638	750	844
1,900	1,950	147	655	770	866	147	655	770	866
1,950	2,000	151	672	790	889	151	672	790	889
2,000	2,050	155	689	810	911	155	689	810	911
2,050	2,100	159	706	830	934	159	706	830	934
2,100	2,150	163	723	850	956	163	723	850	956
2,150	2,200	166	740	870	979	166	740	870	979
2,200	2,250	170	757	890	1,001	170	757	890	1,001
2,250	2,300	174	774	910	1,024	174	774	910	1,024
2,300	2,350	178	791	930	1,046	178	791	930	1,046
2,350	2,400	182	808	950	1,069	182	808	950	1,069
2,400	2,450	186	825	970	1,091	186	825	970	1,091
2,450	2,500	189	842	990	1,114	189	842	990	1,114
2,500	2,550	193	859	1,010	1,136	193	859	1,010	1,136
2,550	2,600	197	876	1,030	1,159	197	876	1,030	1,159
2,600	2,650	201	893	1,050	1,181	201	893	1,050	1,181
2,650	2,700	205	910	1,070	1,204	205	910	1,070	1,204
2,700	2,750	208	927	1,090	1,226	208	927	1,090	1,226
2,750	2,800	212	944	1,110	1,249	212	944	1,110	1,249
2,800	2,850	216	961	1,130	1,271	216	961	1,130	1,271
2,850	2,900	220	978	1,150	1,294	220	978	1,150	1,294
2,900	2,950	224	995	1,170	1,316	224	995	1,170	1,316
2,950	3,000	228	1,012	1,190	1,339	228	1,012	1,190	1,339
3,000	3,050	231	1,029	1,210	1,361	231	1,029	1,210	1,361
3,050	3,100	235	1,046	1,230	1,384	235	1,046	1,230	1,384
3,100	3,150	239	1,063	1,250	1,406	239	1,063	1,250	1,406
3,150	3,200	243	1,080	1,270	1,429	243	1,080	1,270	1,429
3,200	3,250	247	1,097	1,290	1,451	247	1,097	1,290	1,451
3,250	3,300	251	1,114	1,310	1,474	251	1,114	1,310	1,474
3,300	3,350	254	1,131	1,330	1,496	254	1,131	1,330	1,496
3,350	3,400	258	1,148	1,350	1,519	258	1,148	1,350	1,519
3,400	3,450	262	1,165	1,370	1,541	262	1,165	1,370	1,541
3,450	3,500	266	1,182	1,390	1,564	266	1,182	1,390	1,564
3,500	3,550	270	1,199	1,410	1,586	270	1,199	1,410	1,586
3,550	3,600	273	1,216	1,430	1,609	273	1,216	1,430	1,609
3,600	3,650	277	1,233	1,450	1,631	277	1,233	1,450	1,631
3,650	3,700	281	1,250	1,470	1,654	281	1,250	1,470	1,654
3,700	3,750	285	1,267	1,490	1,676	285	1,267	1,490	1,676
3,750	3,800	289	1,284	1,510	1,699	289	1,284	1,510	1,699
3,800	3,850	293	1,301	1,530	1,721	293	1,301	1,530	1,721
3,850	3,900	296	1,318	1,550	1,744	296	1,318	1,550	1,744
3,900	3,950	300	1,335	1,570	1,766	300	1,335	1,570	1,766
3,950	4,000	304	1,352	1,590	1,789	304	1,352	1,590	1,789
4,000	4,050	308	1,369	1,610	1,811	308	1,369	1,610	1,811
4,050	4,100	312	1,386	1,630	1,834	312	1,386	1,630	1,834
4,100	4,150	316	1,403	1,650	1,856	316	1,403	1,650	1,856
4,150	4,200	319	1,420	1,670	1,879	319	1,420	1,670	1,879
4,200	4,250	323	1,437	1,690	1,901	323	1,437	1,690	1,901
4,250	4,300	327	1,454	1,710	1,924	327	1,454	1,710	1,924
4,300	4,350	331	1,471	1,730	1,946	331	1,471	1,730	1,946
4,350	4,400	335	1,488	1,750	1,969	335	1,488	1,750	1,969
4,400	4,450	339	1,505	1,770	1,991	339	1,505	1,770	1,991
4,450	4,500	342	1,522	1,790	2,014	342	1,522	1,790	2,014
4,500	4,550	346	1,539	1,810	2,036	346	1,539	1,810	2,036
4,550	4,600	350	1,556	1,830	2,059	350	1,556	1,830	2,059
4,600	4,650	354	1,573	1,850	2,081	354	1,573	1,850	2,081
4,650	4,700	358	1,590	1,870	2,104	358	1,590	1,870	2,104
4,700	4,750	361	1,607	1,890	2,126	361	1,607	1,890	2,126
4,750	4,800	365	1,624	1,910	2,149	365	1,624	1,910	2,149
4,800	4,850	369	1,641	1,930	2,171	369	1,641	1,930	2,171
4,850	4,900	373	1,658	1,950	2,194	373	1,658	1,950	2,194
4,900	4,950	377	1,675	1,970	2,216	377	1,675	1,970	2,216
4,950	5,000	381	1,692	1,990	2,239	381	1,692	1,990	2,239
5,000	5,050	384	1,709	2,010	2,261	384	1,709	2,010	2,261
5,050	5,100	388	1,726	2,030	2,284	388	1,726	2,030	2,284
5,100	5,150	392	1,743	2,050	2,306	392	1,743	2,050	2,306
5,150	5,200	396	1,760	2,070	2,329	396	1,760	2,070	2,329
5,200	5,250	400	1,777	2,090	2,351	400	1,777	2,090	2,351
5,250	5,300	404	1,794	2,110	2,374	404	1,794	2,110	2,374
5,300	5,350	407	1,811	2,130	2,396	407	1,811	2,130	2,396
5,350	5,400	411	1,828	2,150	2,419	411	1,828	2,150	2,419
5,400	5,450	415							

If the amount you are looking up from the worksheet is—		And your filing status is—																	
		Single, head of household, or qualifying widow(er) and the number of children you have is—				Married filing jointly and the number of children you have is—													
		0	1	2	3	0	1	2	3										
At least	But less than	Your credit is—				Your credit is—													
5,600	5,650	430	1,913	2,250	2,531	430	1,913	2,250	2,531	8,800	8,850	493	3,001	3,530	3,971	519	3,001	3,530	3,971
5,650	5,700	434	1,930	2,270	2,554	434	1,930	2,270	2,554	8,850	8,900	489	3,018	3,550	3,994	519	3,018	3,550	3,994
5,700	5,750	438	1,947	2,290	2,576	438	1,947	2,290	2,576	8,900	8,950	485	3,035	3,570	4,016	519	3,035	3,570	4,016
5,750	5,800	442	1,964	2,310	2,599	442	1,964	2,310	2,599	8,950	9,000	482	3,052	3,590	4,039	519	3,052	3,590	4,039
5,800	5,850	446	1,981	2,330	2,621	446	1,981	2,330	2,621	9,000	9,050	478	3,069	3,610	4,061	519	3,069	3,610	4,061
5,850	5,900	449	1,998	2,350	2,644	449	1,998	2,350	2,644	9,050	9,100	474	3,086	3,630	4,084	519	3,086	3,630	4,084
5,900	5,950	453	2,015	2,370	2,666	453	2,015	2,370	2,666	9,100	9,150	470	3,103	3,650	4,106	519	3,103	3,650	4,106
5,950	6,000	457	2,032	2,390	2,689	457	2,032	2,390	2,689	9,150	9,200	466	3,120	3,670	4,129	519	3,120	3,670	4,129
6,000	6,050	461	2,049	2,410	2,711	461	2,049	2,410	2,711	9,200	9,250	462	3,137	3,690	4,151	519	3,137	3,690	4,151
6,050	6,100	465	2,066	2,430	2,734	465	2,066	2,430	2,734	9,250	9,300	459	3,154	3,710	4,174	519	3,154	3,710	4,174
6,100	6,150	469	2,083	2,450	2,756	469	2,083	2,450	2,756	9,300	9,350	455	3,171	3,730	4,196	519	3,171	3,730	4,196
6,150	6,200	472	2,100	2,470	2,779	472	2,100	2,470	2,779	9,350	9,400	451	3,188	3,750	4,219	519	3,188	3,750	4,219
6,200	6,250	476	2,117	2,490	2,801	476	2,117	2,490	2,801	9,400	9,450	447	3,205	3,770	4,241	519	3,205	3,770	4,241
6,250	6,300	480	2,134	2,510	2,824	480	2,134	2,510	2,824	9,450	9,500	443	3,222	3,790	4,264	519	3,222	3,790	4,264
6,300	6,350	484	2,151	2,530	2,846	484	2,151	2,530	2,846	9,500	9,550	439	3,239	3,810	4,286	519	3,239	3,810	4,286
6,350	6,400	488	2,168	2,550	2,869	488	2,168	2,550	2,869	9,550	9,600	436	3,256	3,830	4,309	519	3,256	3,830	4,309
6,400	6,450	492	2,185	2,570	2,891	492	2,185	2,570	2,891	9,600	9,650	432	3,273	3,850	4,331	519	3,273	3,850	4,331
6,450	6,500	495	2,202	2,590	2,914	495	2,202	2,590	2,914	9,650	9,700	428	3,290	3,870	4,354	519	3,290	3,870	4,354
6,500	6,550	499	2,219	2,610	2,936	499	2,219	2,610	2,936	9,700	9,750	424	3,307	3,890	4,376	519	3,307	3,890	4,376
6,550	6,600	503	2,236	2,630	2,959	503	2,236	2,630	2,959	9,750	9,800	420	3,324	3,910	4,399	519	3,324	3,910	4,399
6,600	6,650	507	2,253	2,650	2,981	507	2,253	2,650	2,981	9,800	9,850	417	3,341	3,930	4,421	519	3,341	3,930	4,421
6,650	6,700	511	2,270	2,670	3,004	511	2,270	2,670	3,004	9,850	9,900	413	3,358	3,950	4,444	519	3,358	3,950	4,444
6,700	6,750	514	2,287	2,690	3,026	514	2,287	2,690	3,026	9,900	9,950	409	3,375	3,970	4,466	519	3,375	3,970	4,466
6,750	6,800	519	2,304	2,710	3,049	519	2,304	2,710	3,049	9,950	10,000	405	3,392	3,990	4,489	519	3,392	3,990	4,489
6,800	6,850	519	2,321	2,730	3,071	519	2,321	2,730	3,071	10,000	10,050	401	3,409	4,010	4,511	519	3,409	4,010	4,511
6,850	6,900	519	2,338	2,750	3,094	519	2,338	2,750	3,094	10,050	10,100	397	3,426	4,030	4,534	519	3,426	4,030	4,534
6,900	6,950	519	2,355	2,770	3,116	519	2,355	2,770	3,116	10,100	10,150	394	3,443	4,050	4,556	519	3,443	4,050	4,556
6,950	7,000	519	2,372	2,790	3,139	519	2,372	2,790	3,139	10,150	10,200	390	3,461	4,070	4,579	519	3,461	4,070	4,579
7,000	7,050	519	2,389	2,810	3,161	519	2,389	2,810	3,161	10,200	10,250	386	3,461	4,090	4,601	519	3,461	4,090	4,601
7,050	7,100	519	2,406	2,830	3,184	519	2,406	2,830	3,184	10,250	10,300	382	3,461	4,110	4,624	519	3,461	4,110	4,624
7,100	7,150	519	2,423	2,850	3,206	519	2,423	2,850	3,206	10,300	10,350	378	3,461	4,130	4,646	519	3,461	4,130	4,646
7,150	7,200	519	2,440	2,870	3,229	519	2,440	2,870	3,229	10,350	10,400	374	3,461	4,150	4,669	519	3,461	4,150	4,669
7,200	7,250	519	2,457	2,890	3,251	519	2,457	2,890	3,251	10,400	10,450	371	3,461	4,170	4,691	519	3,461	4,170	4,691
7,250	7,300	519	2,474	2,910	3,274	519	2,474	2,910	3,274	10,450	10,500	367	3,461	4,190	4,714	519	3,461	4,190	4,714
7,300	7,350	519	2,491	2,930	3,296	519	2,491	2,930	3,296	10,500	10,550	363	3,461	4,210	4,736	519	3,461	4,210	4,736
7,350	7,400	519	2,508	2,950	3,319	519	2,508	2,950	3,319	10,550	10,600	359	3,461	4,230	4,759	519	3,461	4,230	4,759
7,400	7,450	519	2,525	2,970	3,341	519	2,525	2,970	3,341	10,600	10,650	355	3,461	4,250	4,781	519	3,461	4,250	4,781
7,450	7,500	519	2,542	2,990	3,364	519	2,542	2,990	3,364	10,650	10,700	352	3,461	4,270	4,804	519	3,461	4,270	4,804
7,500	7,550	519	2,559	3,010	3,386	519	2,559	3,010	3,386	10,700	10,750	348	3,461	4,290	4,826	519	3,461	4,290	4,826
7,550	7,600	519	2,576	3,030	3,409	519	2,576	3,030	3,409	10,750	10,800	344	3,461	4,310	4,849	519	3,461	4,310	4,849
7,600	7,650	519	2,593	3,050	3,431	519	2,593	3,050	3,431	10,800	10,850	340	3,461	4,330	4,871	519	3,461	4,330	4,871
7,650	7,700	519	2,610	3,070	3,454	519	2,610	3,070	3,454	10,850	10,900	336	3,461	4,350	4,894	519	3,461	4,350	4,894
7,700	7,750	519	2,627	3,090	3,476	519	2,627	3,090	3,476	10,900	10,950	332	3,461	4,370	4,916	519	3,461	4,370	4,916
7,750	7,800	519	2,644	3,110	3,499	519	2,644	3,110	3,499	10,950	11,000	329	3,461	4,390	4,939	519	3,461	4,390	4,939
7,800	7,850	519	2,661	3,130	3,521	519	2,661	3,130	3,521	11,000	11,050	325	3,461	4,410	4,961	519	3,461	4,410	4,961
7,850	7,900	519	2,678	3,150	3,544	519	2,678	3,150	3,544	11,050	11,100	321	3,461	4,430	4,984	519	3,461	4,430	4,984
7,900	7,950	519	2,695	3,170	3,566	519	2,695	3,170	3,566	11,100	11,150	317	3,461	4,450	5,006	519	3,461	4,450	5,006
7,950	8,000	519	2,712	3,190	3,589	519	2,712	3,190	3,589	11,150	11,200	313	3,461	4,470	5,029	519	3,461	4,470	5,029
8,000	8,050	519	2,729	3,210	3,611	519	2,729	3,210	3,611	11,200	11,250	309	3,461	4,490	5,051	519	3,461	4,490	5,051
8,050	8,100	519	2,746	3,230	3,634	519	2,746	3,230	3,634	11,250	11,300	306	3,461	4,510	5,074	519	3,461	4,510	5,074
8,100	8,150	519	2,763	3,250	3,656	519	2,763	3,250	3,656	11,300	11,350	302	3,461	4,530	5,096	519	3,461	4,530	5,096
8,150	8,200	519	2,780	3,270	3,679	519	2,780	3,270	3,679	11,350	11,400	298	3,461	4,550	5,119	519	3,461	4,550	5,119
8,200	8,250	519	2,797	3,290	3,701	519	2,797	3,290	3,701	11,400	11,450	294	3,461	4,570	5,141	519	3,461	4,570	5,141
8,250	8,300	519	2,814	3,310	3,724	519	2,814	3,310	3,724	11,450	11,500	290	3,461	4,590	5,164	519	3,461	4,590	5,164
8,300	8,350	519	2,831	3,330	3,746	519	2,831	3,330	3,746	11,500	11,550	286	3,461	4,610	5,186	519	3,461	4,610	5,186
8,350	8,400	519	2,848	3,350	3,769	519	2,848	3,350	3,769	11,550	11,600	283	3,461	4,630	5,209	519	3,461	4,630	5,209
8,400	8,450	519	2,865	3,370	3,791	519	2,865	3,370	3,791	11,600	11,650	279	3,461	4,650	5,231	519	3,461	4,650	5,231
8,450	8,500	519	2,882	3,390	3,814	519	2,882	3,390	3,814	11,650	11,700	275	3,461	4,670	5,254	519	3,461	4,670	5,254
8,500	8,550	516	2,899	3,410	3,836	519	2,899	3,410	3,836	11,700	11,750	271	3,461	4,690	5,276	519	3,461	4,690	5,276
8,550	8,600	512	2,916	3,430	3,859	519	2,916	3,430	3,										

If the amount you are looking up from the worksheet is—		And your filing status is—								If the amount you are looking up from the worksheet is—		And your filing status is—							
		Single, head of household, or qualifying widow(er) and the number of children you have is—				Married filing jointly and the number of children you have is—						Single, head of household, or qualifying widow(er) and the number of children you have is—				Married filing jointly and the number of children you have is—			
		0	1	2	3	0	1	2	3			0	1	2	3	0	1	2	3
At least	But less than	Your credit is—				Your credit is—				At least	But less than	Your credit is—				Your credit is—			
12,000	12,050	248	3,461	4,810	5,411	519	3,461	4,810	5,411	15,200	15,250	3	3,461	5,716	6,431	438	3,461	5,716	6,431
12,050	12,100	244	3,461	4,830	5,434	519	3,461	4,830	5,434	15,250	15,300	*	3,461	5,716	6,431	434	3,461	5,716	6,431
12,100	12,150	241	3,461	4,850	5,456	519	3,461	4,850	5,456	15,300	15,350	0	3,461	5,716	6,431	430	3,461	5,716	6,431
12,150	12,200	237	3,461	4,870	5,479	519	3,461	4,870	5,479	15,350	15,400	0	3,461	5,716	6,431	426	3,461	5,716	6,431
12,200	12,250	233	3,461	4,890	5,501	519	3,461	4,890	5,501	15,400	15,450	0	3,461	5,716	6,431	423	3,461	5,716	6,431
12,250	12,300	229	3,461	4,910	5,524	519	3,461	4,910	5,524	15,450	15,500	0	3,461	5,716	6,431	419	3,461	5,716	6,431
12,300	12,350	225	3,461	4,930	5,546	519	3,461	4,930	5,546	15,500	15,550	0	3,461	5,716	6,431	415	3,461	5,716	6,431
12,350	12,400	221	3,461	4,950	5,569	519	3,461	4,950	5,569	15,550	15,600	0	3,461	5,716	6,431	411	3,461	5,716	6,431
12,400	12,450	218	3,461	4,970	5,591	519	3,461	4,970	5,591	15,600	15,650	0	3,461	5,716	6,431	407	3,461	5,716	6,431
12,450	12,500	214	3,461	4,990	5,614	519	3,461	4,990	5,614	15,650	15,700	0	3,461	5,716	6,431	404	3,461	5,716	6,431
12,500	12,550	210	3,461	5,010	5,636	519	3,461	5,010	5,636	15,700	15,750	0	3,461	5,716	6,431	400	3,461	5,716	6,431
12,550	12,600	206	3,461	5,030	5,659	519	3,461	5,030	5,659	15,750	15,800	0	3,461	5,716	6,431	396	3,461	5,716	6,431
12,600	12,650	202	3,461	5,050	5,681	519	3,461	5,050	5,681	15,800	15,850	0	3,461	5,716	6,431	392	3,461	5,716	6,431
12,650	12,700	199	3,461	5,070	5,704	519	3,461	5,070	5,704	15,850	15,900	0	3,461	5,716	6,431	388	3,461	5,716	6,431
12,700	12,750	195	3,461	5,090	5,726	519	3,461	5,090	5,726	15,900	15,950	0	3,461	5,716	6,431	384	3,461	5,716	6,431
12,750	12,800	191	3,461	5,110	5,749	519	3,461	5,110	5,749	15,950	16,000	0	3,461	5,716	6,431	381	3,461	5,716	6,431
12,800	12,850	187	3,461	5,130	5,771	519	3,461	5,130	5,771	16,000	16,050	0	3,461	5,716	6,431	377	3,461	5,716	6,431
12,850	12,900	183	3,461	5,150	5,794	519	3,461	5,150	5,794	16,050	16,100	0	3,461	5,716	6,431	373	3,461	5,716	6,431
12,900	12,950	179	3,461	5,170	5,816	519	3,461	5,170	5,816	16,100	16,150	0	3,461	5,716	6,431	369	3,461	5,716	6,431
12,950	13,000	176	3,461	5,190	5,839	519	3,461	5,190	5,839	16,150	16,200	0	3,461	5,716	6,431	365	3,461	5,716	6,431
13,000	13,050	172	3,461	5,210	5,861	519	3,461	5,210	5,861	16,200	16,250	0	3,461	5,716	6,431	361	3,461	5,716	6,431
13,050	13,100	168	3,461	5,230	5,884	519	3,461	5,230	5,884	16,250	16,300	0	3,461	5,716	6,431	358	3,461	5,716	6,431
13,100	13,150	164	3,461	5,250	5,906	519	3,461	5,250	5,906	16,300	16,350	0	3,461	5,716	6,431	354	3,461	5,716	6,431
13,150	13,200	160	3,461	5,270	5,929	519	3,461	5,270	5,929	16,350	16,400	0	3,461	5,716	6,431	350	3,461	5,716	6,431
13,200	13,250	156	3,461	5,290	5,951	519	3,461	5,290	5,951	16,400	16,450	0	3,461	5,716	6,431	346	3,461	5,716	6,431
13,250	13,300	153	3,461	5,310	5,974	519	3,461	5,310	5,974	16,450	16,500	0	3,461	5,716	6,431	342	3,461	5,716	6,431
13,300	13,350	149	3,461	5,330	5,996	519	3,461	5,330	5,996	16,500	16,550	0	3,461	5,716	6,431	339	3,461	5,716	6,431
13,350	13,400	145	3,461	5,350	6,019	519	3,461	5,350	6,019	16,550	16,600	0	3,461	5,716	6,431	335	3,461	5,716	6,431
13,400	13,450	141	3,461	5,370	6,041	519	3,461	5,370	6,041	16,600	16,650	0	3,461	5,716	6,431	331	3,461	5,716	6,431
13,450	13,500	137	3,461	5,390	6,064	519	3,461	5,390	6,064	16,650	16,700	0	3,461	5,716	6,431	327	3,461	5,716	6,431
13,500	13,550	133	3,461	5,410	6,086	519	3,461	5,410	6,086	16,700	16,750	0	3,461	5,716	6,431	323	3,461	5,716	6,431
13,550	13,600	130	3,461	5,430	6,109	519	3,461	5,430	6,109	16,750	16,800	0	3,461	5,716	6,431	319	3,461	5,716	6,431
13,600	13,650	126	3,461	5,450	6,131	519	3,461	5,450	6,131	16,800	16,850	0	3,461	5,716	6,431	316	3,461	5,716	6,431
13,650	13,700	122	3,461	5,470	6,154	519	3,461	5,470	6,154	16,850	16,900	0	3,461	5,716	6,431	312	3,461	5,716	6,431
13,700	13,750	118	3,461	5,490	6,176	519	3,461	5,490	6,176	16,900	16,950	0	3,461	5,716	6,431	308	3,461	5,716	6,431
13,750	13,800	114	3,461	5,510	6,199	519	3,461	5,510	6,199	16,950	17,000	0	3,461	5,716	6,431	304	3,461	5,716	6,431
13,800	13,850	111	3,461	5,530	6,221	519	3,461	5,530	6,221	17,000	17,050	0	3,461	5,716	6,431	300	3,461	5,716	6,431
13,850	13,900	107	3,461	5,550	6,244	519	3,461	5,550	6,244	17,050	17,100	0	3,461	5,716	6,431	296	3,461	5,716	6,431
13,900	13,950	103	3,461	5,570	6,266	519	3,461	5,570	6,266	17,100	17,150	0	3,461	5,716	6,431	293	3,461	5,716	6,431
13,950	14,000	99	3,461	5,590	6,289	519	3,461	5,590	6,289	17,150	17,200	0	3,461	5,716	6,431	289	3,461	5,716	6,431
14,000	14,050	95	3,461	5,610	6,311	519	3,461	5,610	6,311	17,200	17,250	0	3,461	5,716	6,431	285	3,461	5,716	6,431
14,050	14,100	91	3,461	5,630	6,334	519	3,461	5,630	6,334	17,250	17,300	0	3,461	5,716	6,431	281	3,461	5,716	6,431
14,100	14,150	88	3,461	5,650	6,356	519	3,461	5,650	6,356	17,300	17,350	0	3,461	5,716	6,431	277	3,461	5,716	6,431
14,150	14,200	84	3,461	5,670	6,379	519	3,461	5,670	6,379	17,350	17,400	0	3,461	5,716	6,431	273	3,461	5,716	6,431
14,200	14,250	80	3,461	5,690	6,401	514	3,461	5,690	6,401	17,400	17,450	0	3,461	5,716	6,431	270	3,461	5,716	6,431
14,250	14,300	76	3,461	5,716	6,431	511	3,461	5,716	6,431	17,450	17,500	0	3,461	5,716	6,431	266	3,461	5,716	6,431
14,300	14,350	72	3,461	5,716	6,431	507	3,461	5,716	6,431	17,500	17,550	0	3,461	5,716	6,431	262	3,461	5,716	6,431
14,350	14,400	68	3,461	5,716	6,431	503	3,461	5,716	6,431	17,550	17,600	0	3,461	5,716	6,431	258	3,461	5,716	6,431
14,400	14,450	65	3,461	5,716	6,431	499	3,461	5,716	6,431	17,600	17,650	0	3,461	5,716	6,431	254	3,461	5,716	6,431
14,450	14,500	61	3,461	5,716	6,431	495	3,461	5,716	6,431	17,650	17,700	0	3,461	5,716	6,431	251	3,461	5,716	6,431
14,500	14,550	57	3,461	5,716	6,431	492	3,461	5,716	6,431	17,700	17,750	0	3,461	5,716	6,431	247	3,461	5,716	6,431
14,550	14,600	53	3,461	5,716	6,431	488	3,461	5,716	6,431	17,750	17,800	0	3,461	5,716	6,431	243	3,461	5,716	6,431
14,600	14,650	49	3,461	5,716	6,431	484	3,461	5,716	6,431	17,800	17,850	0	3,461	5,716	6,431	239	3,461	5,716	6,431
14,650	14,700	46	3,461	5,716	6,431	480	3,461	5,716	6,431	17,850	17,900	0	3,461	5,716	6,431	235	3,461	5,716	6,431
14,700	14,750	42	3,461	5,716	6,431	476	3,461	5,716	6,431	17,900	17,950	0	3,461	5,716	6,431	231	3,461	5,716	6,431
14,750	14,800	38	3,461	5,716	6,431	472	3,461	5,716	6,431	17,950	18,000	0	3,461	5,716	6,431	228	3,461	5,716	6,431
14,800	14,850	34	3,461	5,716	6,431	469	3,461	5,716	6,431	18,000	18,050	0	3,461	5,716	6,431	224	3,461	5,716	6,431
14,850	14,900	30	3,461	5,716	6,431	465	3,461	5,716	6,431	18,050	18,100	0	3,461	5,716	6,431	220	3,46		

If the amount you are looking up from the worksheet is—		And your filing status is—																	
		Single, head of household, or qualifying widow(er) and the number of children you have is—				Married filing jointly and the number of children you have is—													
		0	1	2	3	0	1	2	3										
At least	But less than	Your credit is—				Your credit is—													
24,800	24,850	0	2,476	4,418	5,132	0	3,385	5,616	6,330	28,000	28,050	0	1,965	3,744	4,458	0	2,874	4,942	5,657
24,850	24,900	0	2,468	4,407	5,122	0	3,377	5,605	6,320	28,050	28,100	0	1,957	3,733	4,448	0	2,866	4,932	5,646
24,900	24,950	0	2,460	4,397	5,111	0	3,369	5,595	6,309	28,100	28,150	0	1,949	3,723	4,437	0	2,858	4,921	5,635
24,950	25,000	0	2,452	4,386	5,101	0	3,361	5,584	6,299	28,150	28,200	0	1,941	3,712	4,427	0	2,850	4,910	5,625
25,000	25,050	0	2,444	4,376	5,090	0	3,353	5,574	6,288	28,200	28,250	0	1,933	3,702	4,416	0	2,842	4,900	5,614
25,050	25,100	0	2,436	4,365	5,080	0	3,345	5,563	6,278	28,250	28,300	0	1,925	3,691	4,406	0	2,834	4,889	5,604
25,100	25,150	0	2,428	4,354	5,069	0	3,337	5,553	6,267	28,300	28,350	0	1,917	3,681	4,395	0	2,826	4,879	5,593
25,150	25,200	0	2,420	4,344	5,058	0	3,329	5,542	6,257	28,350	28,400	0	1,909	3,670	4,385	0	2,818	4,868	5,583
25,200	25,250	0	2,412	4,333	5,048	0	3,321	5,532	6,246	28,400	28,450	0	1,901	3,659	4,374	0	2,810	4,858	5,572
25,250	25,300	0	2,404	4,323	5,037	0	3,313	5,521	6,236	28,450	28,500	0	1,893	3,649	4,363	0	2,802	4,847	5,562
25,300	25,350	0	2,396	4,312	5,027	0	3,305	5,511	6,225	28,500	28,550	0	1,885	3,638	4,353	0	2,794	4,837	5,551
25,350	25,400	0	2,388	4,302	5,016	0	3,297	5,500	6,215	28,550	28,600	0	1,877	3,628	4,342	0	2,786	4,826	5,541
25,400	25,450	0	2,380	4,291	5,006	0	3,289	5,490	6,204	28,600	28,650	0	1,869	3,617	4,332	0	2,778	4,816	5,530
25,450	25,500	0	2,372	4,281	4,995	0	3,281	5,479	6,194	28,650	28,700	0	1,861	3,607	4,321	0	2,770	4,805	5,520
25,500	25,550	0	2,364	4,270	4,985	0	3,273	5,469	6,183	28,700	28,750	0	1,853	3,596	4,311	0	2,762	4,795	5,509
25,550	25,600	0	2,356	4,260	4,974	0	3,265	5,458	6,173	28,750	28,800	0	1,845	3,586	4,300	0	2,754	4,784	5,499
25,600	25,650	0	2,348	4,249	4,964	0	3,257	5,447	6,162	28,800	28,850	0	1,837	3,575	4,290	0	2,746	4,774	5,488
25,650	25,700	0	2,340	4,239	4,953	0	3,249	5,437	6,151	28,850	28,900	0	1,829	3,565	4,279	0	2,738	4,763	5,478
25,700	25,750	0	2,332	4,228	4,943	0	3,241	5,426	6,141	28,900	28,950	0	1,821	3,554	4,269	0	2,730	4,753	5,467
25,750	25,800	0	2,324	4,218	4,932	0	3,233	5,416	6,130	28,950	29,000	0	1,813	3,544	4,258	0	2,722	4,742	5,456
25,800	25,850	0	2,316	4,207	4,922	0	3,225	5,405	6,120	29,000	29,050	0	1,805	3,533	4,248	0	2,714	4,731	5,446
25,850	25,900	0	2,308	4,197	4,911	0	3,218	5,395	6,109	29,050	29,100	0	1,797	3,523	4,237	0	2,706	4,721	5,435
25,900	25,950	0	2,300	4,186	4,900	0	3,210	5,384	6,099	29,100	29,150	0	1,789	3,512	4,227	0	2,698	4,710	5,425
25,950	26,000	0	2,292	4,175	4,890	0	3,202	5,374	6,088	29,150	29,200	0	1,781	3,502	4,216	0	2,690	4,700	5,414
26,000	26,050	0	2,284	4,165	4,879	0	3,194	5,363	6,078	29,200	29,250	0	1,773	3,491	4,206	0	2,682	4,689	5,404
26,050	26,100	0	2,276	4,154	4,869	0	3,186	5,353	6,067	29,250	29,300	0	1,765	3,480	4,195	0	2,674	4,679	5,393
26,100	26,150	0	2,268	4,144	4,858	0	3,178	5,342	6,057	29,300	29,350	0	1,757	3,470	4,184	0	2,666	4,668	5,383
26,150	26,200	0	2,260	4,133	4,848	0	3,170	5,332	6,046	29,350	29,400	0	1,749	3,459	4,174	0	2,658	4,658	5,372
26,200	26,250	0	2,252	4,123	4,837	0	3,162	5,321	6,036	29,400	29,450	0	1,741	3,449	4,163	0	2,650	4,647	5,362
26,250	26,300	0	2,244	4,112	4,827	0	3,154	5,311	6,025	29,450	29,500	0	1,733	3,438	4,153	0	2,642	4,637	5,351
26,300	26,350	0	2,236	4,102	4,816	0	3,146	5,300	6,015	29,500	29,550	0	1,725	3,428	4,142	0	2,634	4,626	5,341
26,350	26,400	0	2,228	4,091	4,806	0	3,138	5,290	6,004	29,550	29,600	0	1,717	3,417	4,132	0	2,626	4,616	5,330
26,400	26,450	0	2,220	4,081	4,795	0	3,130	5,279	5,994	29,600	29,650	0	1,709	3,407	4,121	0	2,618	4,605	5,320
26,450	26,500	0	2,212	4,070	4,785	0	3,122	5,268	5,983	29,650	29,700	0	1,701	3,396	4,111	0	2,610	4,595	5,309
26,500	26,550	0	2,204	4,060	4,774	0	3,114	5,258	5,972	29,700	29,750	0	1,693	3,386	4,100	0	2,602	4,584	5,299
26,550	26,600	0	2,196	4,049	4,764	0	3,106	5,247	5,962	29,750	29,800	0	1,685	3,375	4,090	0	2,594	4,573	5,288
26,600	26,650	0	2,188	4,039	4,753	0	3,098	5,237	5,951	29,800	29,850	0	1,677	3,365	4,079	0	2,586	4,563	5,277
26,650	26,700	0	2,180	4,028	4,743	0	3,090	5,226	5,941	29,850	29,900	0	1,669	3,354	4,069	0	2,578	4,552	5,267
26,700	26,750	0	2,172	4,018	4,732	0	3,082	5,216	5,930	29,900	29,950	0	1,661	3,344	4,058	0	2,570	4,542	5,256
26,750	26,800	0	2,164	4,007	4,721	0	3,074	5,205	5,920	29,950	30,000	0	1,653	3,333	4,048	0	2,562	4,531	5,246
26,800	26,850	0	2,156	3,996	4,711	0	3,066	5,195	5,909	30,000	30,050	0	1,645	3,323	4,037	0	2,554	4,521	5,235
26,850	26,900	0	2,148	3,986	4,700	0	3,058	5,184	5,899	30,050	30,100	0	1,637	3,312	4,027	0	2,546	4,510	5,225
26,900	26,950	0	2,140	3,975	4,690	0	3,050	5,174	5,888	30,100	30,150	0	1,629	3,301	4,016	0	2,538	4,500	5,214
26,950	27,000	0	2,132	3,965	4,679	0	3,042	5,163	5,878	30,150	30,200	0	1,621	3,291	4,005	0	2,530	4,489	5,204
27,000	27,050	0	2,124	3,954	4,669	0	3,034	5,153	5,867	30,200	30,250	0	1,613	3,280	3,995	0	2,522	4,479	5,193
27,050	27,100	0	2,116	3,944	4,658	0	3,026	5,142	5,857	30,250	30,300	0	1,605	3,270	3,984	0	2,514	4,468	5,183
27,100	27,150	0	2,108	3,933	4,648	0	3,018	5,132	5,846	30,300	30,350	0	1,597	3,259	3,974	0	2,506	4,458	5,172
27,150	27,200	0	2,101	3,923	4,637	0	3,010	5,121	5,836	30,350	30,400	0	1,589	3,249	3,963	0	2,498	4,447	5,162
27,200	27,250	0	2,093	3,912	4,627	0	3,002	5,111	5,825	30,400	30,450	0	1,581	3,238	3,953	0	2,490	4,437	5,151
27,250	27,300	0	2,085	3,902	4,616	0	2,994	5,100	5,814	30,450	30,500	0	1,573	3,228	3,942	0	2,482	4,426	5,141
27,300	27,350	0	2,077	3,891	4,606	0	2,986	5,089	5,804	30,500	30,550	0	1,565	3,217	3,932	0	2,474	4,416	5,130
27,350	27,400	0	2,069	3,881	4,595	0	2,978	5,079	5,793	30,550	30,600	0	1,557	3,207	3,921	0	2,466	4,405	5,120
27,400	27,450	0	2,061	3,870	4,585	0	2,970	5,068	5,783	30,600	30,650	0	1,549	3,196	3,911	0	2,458	4,394	5,109
27,450	27,500	0	2,053	3,860	4,574	0	2,962	5,058	5,772	30,650	30,700	0	1,541	3,186	3,900	0	2,450	4,384	5,098
27,500	27,550	0	2,045	3,849	4,564	0	2,954	5,047	5,762	30,700	30,750	0	1,533	3,175	3,890	0	2,442	4,373	5,088
27,550	27,600	0	2,037	3,839	4,553	0	2,946	5,037	5,751	30,750	30,800	0	1,525	3,165	3,879	0	2,434	4,363	5,077
27,600	27,650	0	2,029	3,828	4,542	0	2,938	5,026	5,741	30,800	30,850	0	1,517	3,154	3,869	0	2,426	4,352	5,067
27,650	27,700	0	2,021	3,817	4,532	0	2,930	5,016	5,730	30,850	30,900	0	1,509	3,144	3,858	0	2,418	4,342	5,056
27,700	27,750	0	2,013	3,807	4,521	0	2,922	5,005	5,720	30,900	30,950	0	1,501	3,133	3,847	0	2,410	4,331	5,046
27,750	27,800	0	2,005	3,796	4,511	0	2,914	4,995	5,709	30,950	31,000	0	1,493	3,122	3,837	0	2,402	4,321	5,035
27,800	27,850	0	1,997	3,786	4,500	0	2,906	4,984	5,699	31,000	31,050	0	1,485	3,112	3,826	0	2,394	4,310	5,025
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31,200	31,250	0	1,453	3,070	3,784	0	2,363	4,268	4,983	<table border="1"> <thead> <tr> <th colspan="2" rowspan="3">If the amount you are looking up from the worksheet is—</th> <th colspan="8">And your filing status is—</th> </tr> <tr> <th colspan="4">Single, head of household, or qualifying widow(er) and the number of children you have is—</th> <th colspan="4">Married filing jointly and the number of children you have is—</th> </tr> <tr> <th>0</th><th>1</th><th>2</th><th>3</th> <th>0</th><th>1</th><th>2</th><th>3</th> </tr> <tr> <th>At least</th><th>But less than</th> <th colspan="4">Your credit is—</th> <th colspan="4">Your credit is—</th> </tr> </thead> <tbody> <tr> <td>34,400</td><td>34,450</td><td>0</td><td>942</td><td>2,396</td><td>3,110</td><td>0</td><td>1,851</td><td>3,594</td><td>4,309</td> <tr> <td>34,450</td><td>34,500</td><td>0</td><td>934</td><td>2,385</td><td>3,100</td><td>0</td><td>1,843</td><td>3,584</td><td>4,298</td> <tr> <td>34,500</td><td>34,550</td><td>0</td><td>926</td><td>2,375</td><td>3,089</td><td>0</td><td>1,835</td><td>3,573</td><td>4,288</td> <tr> <td>34,550</td><td>34,600</td><td>0</td><td>918</td><td>2,364</td><td>3,079</td><td>0</td><td>1,827</td><td>3,563</td><td>4,277</td> </tr> <tr> <td>34,600</td><td>34,650</td><td>0</td><td>910</td><td>2,354</td><td>3,068</td><td>0</td><td>1,819</td><td>3,552</td><td>4,267</td> <tr> <td>34,650</td><td>34,700</td><td>0</td><td>902</td><td>2,343</td><td>3,058</td><td>0</td><td>1,811</td><td>3,542</td><td>4,256</td> <tr> <td>34,700</td><td>34,750</td><td>0</td><td>894</td><td>2,333</td><td>3,047</td><td>0</td><td>1,803</td><td>3,531</td><td>4,246</td> <tr> <td>34,750</td><td>34,800</td><td>0</td><td>886</td><td>2,322</td><td>3,037</td><td>0</td><td>1,795</td><td>3,520</td><td>4,235</td> </tr> <tr> <td>34,800</td><td>34,850</td><td>0</td><td>878</td><td>2,312</td><td>3,026</td><td>0</td><td>1,787</td><td>3,510</td><td>4,224</td> <tr> <td>34,850</td><td>34,900</td><td>0</td><td>870</td><td>2,301</td><td>3,016</td><td>0</td><td>1,779</td><td>3,499</td><td>4,214</td> <tr> <td>34,900</td><td>34,950</td><td>0</td><td>862</td><td>2,291</td><td>3,005</td><td>0</td><td>1,771</td><td>3,489</td><td>4,203</td> <tr> <td>34,950</td><td>35,000</td><td>0</td><td>854</td><td>2,280</td><td>2,995</td><td>0</td><td>1,763</td><td>3,478</td><td>4,193</td> </tr> <tr> <td>35,000</td><td>35,050</td><td>0</td><td>846</td><td>2,270</td><td>2,984</td><td>0</td><td>1,755</td><td>3,468</td><td>4,182</td> <tr> <td>35,050</td><td>35,100</td><td>0</td><td>838</td><td>2,259</td><td>2,974</td><td>0</td><td>1,747</td><td>3,457</td><td>4,172</td> <tr> <td>35,100</td><td>35,150</td><td>0</td><td>830</td><td>2,248</td><td>2,963</td><td>0</td><td>1,739</td><td>3,447</td><td>4,161</td> <tr> <td>35,150</td><td>35,200</td><td>0</td><td>822</td><td>2,238</td><td>2,952</td><td>0</td><td>1,731</td><td>3,436</td><td>4,151</td> </tr> <tr> <td>35,200</td><td>35,250</td><td>0</td><td>814</td><td>2,227</td><td>2,942</td><td>0</td><td>1,723</td><td>3,426</td><td>4,140</td> <tr> <td>35,250</td><td>35,300</td><td>0</td><td>806</td><td>2,217</td><td>2,931</td><td>0</td><td>1,715</td><td>3,415</td><td>4,130</td> <tr> <td>35,300</td><td>35,350</td><td>0</td><td>798</td><td>2,206</td><td>2,921</td><td>0</td><td>1,707</td><td>3,405</td><td>4,119</td> <tr> <td>35,350</td><td>35,400</td><td>0</td><td>790</td><td>2,196</td><td>2,910</td><td>0</td><td>1,699</td><td>3,394</td><td>4,109</td> </tr> <tr> <td>35,400</td><td>35,450</td><td>0</td><td>782</td><td>2,185</td><td>2,900</td><td>0</td><td>1,691</td><td>3,384</td><td>4,098</td> <tr> <td>35,450</td><td>35,500</td><td>0</td><td>774</td><td>2,175</td><td>2,889</td><td>0</td><td>1,683</td><td>3,373</td><td>4,088</td> <tr> <td>35,500</td><td>35,550</td><td>0</td><td>766</td><td>2,164</td><td>2,879</td><td>0</td><td>1,675</td><td>3,363</td><td>4,077</td> <tr> <td>35,550</td><td>35,600</td><td>0</td><td>758</td><td>2,154</td><td>2,868</td><td>0</td><td>1,667</td><td>3,352</td><td>4,067</td> </tr> <tr> <td>35,600</td><td>35,650</td><td>0</td><td>750</td><td>2,143</td><td>2,858</td><td>0</td><td>1,659</td><td>3,341</td><td>4,056</td> <tr> <td>35,650</td><td>35,700</td><td>0</td><td>742</td><td>2,133</td><td>2,847</td><td>0</td><td>1,651</td><td>3,331</td><td>4,045</td> <tr> <td>35,700</td><td>35,750</td><td>0</td><td>734</td><td>2,122</td><td>2,837</td><td>0</td><td>1,643</td><td>3,320</td><td>4,035</td> <tr> <td>35,750</td><td>35,800</td><td>0</td><td>726</td><td>2,112</td><td>2,826</td><td>0</td><td>1,635</td><td>3,310</td><td>4,024</td> </tr> <tr> <td>35,800</td><td>35,850</td><td>0</td><td>718</td><td>2,101</td><td>2,816</td><td>0</td><td>1,627</td><td>3,299</td><td>4,014</td> <tr> <td>35,850</td><td>35,900</td><td>0</td><td>710</td><td>2,091</td><td>2,805</td><td>0</td><td>1,620</td><td>3,289</td><td>4,003</td> <tr> <td>35,900</td><td>35,950</td><td>0</td><td>702</td><td>2,080</td><td>2,794</td><td>0</td><td>1,612</td><td>3,278</td><td>3,993</td> <tr> <td>35,950</td><td>36,000</td><td>0</td><td>694</td><td>2,069</td><td>2,784</td><td>0</td><td>1,604</td><td>3,268</td><td>3,982</td> </tr> <tr> <td>36,000</td><td>36,050</td><td>0</td><td>686</td><td>2,059</td><td>2,773</td><td>0</td><td>1,596</td><td>3,257</td><td>3,972</td> <tr> <td>36,050</td><td>36,100</td><td>0</td><td>678</td><td>2,048</td><td>2,763</td><td>0</td><td>1,588</td><td>3,247</td><td>3,961</td> <tr> <td>36,100</td><td>36,150</td><td>0</td><td>670</td><td>2,038</td><td>2,752</td><td>0</td><td>1,580</td><td>3,236</td><td>3,951</td> <tr> <td>36,150</td><td>36,200</td><td>0</td><td>662</td><td>2,027</td><td>2,742</td><td>0</td><td>1,572</td><td>3,226</td><td>3,940</td> </tr> <tr> <td>36,200</td><td>36,250</td><td>0</td><td>654</td><td>2,017</td><td>2,731</td><td>0</td><td>1,564</td><td>3,215</td><td>3,930</td> <tr> <td>36,250</td><td>36,300</td><td>0</td><td>646</td><td>2,006</td><td>2,721</td><td>0</td><td>1,556</td><td>3,205</td><td>3,919</td> <tr> <td>36,300</td><td>36,350</td><td>0</td><td>638</td><td>1,996</td><td>2,710</td><td>0</td><td>1,548</td><td>3,194</td><td>3,909</td> <tr> <td>36,350</td><td>36,400</td><td>0</td><td>630</td><td>1,985</td><td>2,700</td><td>0</td><td>1,540</td><td>3,184</td><td>3,898</td> </tr> <tr> <td>36,400</td><td>36,450</td><td>0</td><td>622</td><td>1,975</td><td>2,689</td><td>0</td><td>1,532</td><td>3,173</td><td>3,888</td> <tr> <td>36,450</td><td>36,500</td><td>0</td><td>614</td><td>1,964</td><td>2,679</td><td>0</td><td>1,524</td><td>3,162</td><td>3,877</td> <tr> <td>36,500</td><td>36,550</td><td>0</td><td>606</td><td>1,954</td><td>2,668</td><td>0</td><td>1,516</td><td>3,152</td><td>3,866</td> <tr> <td>36,550</td><td>36,600</td><td>0</td><td>598</td><td>1,943</td><td>2,658</td><td>0</td><td>1,508</td><td>3,141</td><td>3,856</td> </tr> <tr> <td>36,600</td><td>36,650</td><td>0</td><td>590</td><td>1,933</td><td>2,647</td><td>0</td><td>1,500</td><td>3,131</td><td>3,845</td> <tr> <td>36,650</td><td>36,700</td><td>0</td><td>582</td><td>1,922</td><td>2,637</td><td>0</td><td>1,492</td><td>3,120</td><td>3,835</td> <tr> <td>36,700</td><td>36,750</td><td>0</td><td>574</td><td>1,912</td><td>2,626</td><td>0</td><td>1,484</td><td>3,110</td><td>3,824</td> <tr> <td>36,750</td><td>36,800</td><td>0</td><td>566</td><td>1,901</td><td>2,615</td><td>0</td><td>1,476</td><td>3,099</td><td>3,814</td> </tr> <tr> <td>36,800</td><td>36,850</td><td>0</td><td>558</td><td>1,890</td><td>2,605</td><td>0</td><td>1,468</td><td>3,089</td><td>3,803</td> <tr> <td>36,850</td><td>36,900</td><td>0</td><td>550</td><td>1,880</td><td>2,594</td><td>0</td><td>1,460</td><td>3,078</td><td>3,793</td> <tr> <td>36,900</td><td>36,950</td><td>0</td><td>542</td><td>1,869</td><td>2,584</td><td>0</td><td>1,452</td><td>3,068</td><td>3,782</td> <tr> <td>36,950</td><td>37,000</td><td>0</td><td>534</td><td>1,859</td><td>2,573</td><td>0</td><td>1,444</td><td>3,057</td><td>3,772</td> </tr> <tr> <td>37,000</td><td>37,050</td><td>0</td><td>526</td><td>1,848</td><td>2,563</td><td>0</td><td>1,436</td><td>3,047</td><td>3,761</td> <tr> <td>37,050</td><td>37,100</td><td>0</td><td>518</td><td>1,838</td><td>2,552</td><td>0</td><td>1,428</td><td>3,036</td><td>3,751</td> <tr> <td>37,100</td><td>37,150</td><td>0</td><td>510</td><td>1,827</td><td>2,542</td><td>0</td><td>1,420</td><td>3,026</td><td>3,740</td> <tr> <td>37,150</td><td>37,200</td><td>0</td><td>503</td><td>1,817</td><td>2,531</td><td>0</td><td>1,412</td><td>3,015</td><td>3,730</td> </tr> <tr> <td>37,200</td><td>37,250</td><td>0</td><td>495</td><td>1,806</td><td>2,521</td><td>0</td><td>1,404</td><td>3,005</td><td>3,719</td> <tr> <td>37,250</td><td>37,300</td><td>0</td><td>487</td><td>1,796</td><td>2,510</td><td>0</td><td>1,396</td><td>2,994</td><td>3,708</td> <tr> <td>37,300</td><td>37,350</td><td>0</td><td>479</td><td>1,785</td><td>2,500</td><td>0</td><td>1,388</td><td>2,983</td><td>3,698</td> <tr> <td>37,350</td><td>37,400</td><td>0</td><td>471</td><td>1,775</td><td>2,489</td><td>0</td><td>1,380</td><td>2,973</td><td>3,687</td> </tr> <tr> <td>37,400</td><td>37,450</td><td>0</td><td>463</td><td>1,764</td><td>2,479</td><td>0</td><td>1,372</td><td>2,962</td><td>3,677</td> <tr> <td>37,450</td><td>37,500</td><td>0</td><td>455</td><td>1,754</td><td>2,468</td><td>0</td><td>1,364</td><td>2,952</td><td>3,666</td> <tr> <td>37,500</td><td>37,550</td><td>0</td><td>447</td><td>1,743</td><td>2,458</td><td>0</td><td>1,356</td><td>2,941</td><td>3,656</td> <tr> <td>37,550</td><td>37,600</td><td>0</td><td>439</td><td>1,733</td><td>2,447</td><td>0</td><td>1,348</td><td>2,931</td><td>3,645</td> </tr> </tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tr></tbody> </table>	If the amount you are looking up from the worksheet is—		And your filing status is—								Single, head of household, or qualifying widow(er) and the number of children you have is—				Married filing jointly and the number of children you have is—				0	1	2	3	0	1	2	3	At least	But less than	Your credit is—				Your credit is—				34,400	34,450	0	942	2,396	3,110	0	1,851	3,594	4,309	34,450	34,500	0	934	2,385	3,100	0	1,843	3,584	4,298	34,500	34,550	0	926	2,375	3,089	0	1,835	3,573	4,288	34,550	34,600	0	918	2,364	3,079	0	1,827	3,563	4,277	34,600	34,650	0	910	2,354	3,068	0	1,819	3,552	4,267	34,650	34,700	0	902	2,343	3,058	0	1,811	3,542	4,256	34,700	34,750	0	894	2,333	3,047	0	1,803	3,531	4,246	34,750	34,800	0	886	2,322	3,037	0	1,795	3,520	4,235	34,800	34,850	0	878	2,312	3,026	0	1,787	3,510	4,224	34,850	34,900	0	870	2,301	3,016	0	1,779	3,499	4,214	34,900	34,950	0	862	2,291	3,005	0	1,771	3,489	4,203	34,950	35,000	0	854	2,280	2,995	0	1,763	3,478	4,193	35,000	35,050	0	846	2,270	2,984	0	1,755	3,468	4,182	35,050	35,100	0	838	2,259	2,974	0	1,747	3,457	4,172	35,100	35,150	0	830	2,248	2,963	0	1,739	3,447	4,161	35,150	35,200	0	822	2,238	2,952	0	1,731	3,436	4,151	35,200	35,250	0	814	2,227	2,942	0	1,723	3,426	4,140	35,250	35,300	0	806	2,217	2,931	0	1,715	3,415	4,130	35,300	35,350	0	798	2,206	2,921	0	1,707	3,405	4,119	35,350	35,400	0	790	2,196	2,910	0	1,699	3,394	4,109	35,400	35,450	0	782	2,185	2,900	0	1,691	3,384	4,098	35,450	35,500	0	774	2,175	2,889	0	1,683	3,373	4,088	35,500	35,550	0	766	2,164	2,879	0	1,675	3,363	4,077	35,550	35,600	0	758	2,154	2,868	0	1,667	3,352	4,067	35,600	35,650	0	750	2,143	2,858	0	1,659	3,341	4,056	35,650	35,700	0	742	2,133	2,847	0	1,651	3,331	4,045	35,700	35,750	0	734	2,122	2,837	0	1,643	3,320	4,035	35,750	35,800	0	726	2,112	2,826	0	1,635	3,310	4,024	35,800	35,850	0	718	2,101	2,816	0	1,627	3,299	4,014	35,850	35,900	0	710	2,091	2,805	0	1,620	3,289	4,003	35,900	35,950	0	702	2,080	2,794	0	1,612	3,278	3,993	35,950	36,000	0	694	2,069	2,784	0	1,604	3,268	3,982	36,000	36,050	0	686	2,059	2,773	0	1,596	3,257	3,972	36,050	36,100	0	678	2,048	2,763	0	1,588	3,247	3,961	36,100	36,150	0	670	2,038	2,752	0	1,580	3,236	3,951	36,150	36,200	0	662	2,027	2,742	0	1,572	3,226	3,940	36,200	36,250	0	654	2,017	2,731	0	1,564	3,215	3,930	36,250	36,300	0	646	2,006	2,721	0	1,556	3,205	3,919	36,300	36,350	0	638	1,996	2,710	0	1,548	3,194	3,909	36,350	36,400	0	630	1,985	2,700	0	1,540	3,184	3,898	36,400	36,450	0	622	1,975	2,689	0	1,532	3,173	3,888	36,450	36,500	0	614	1,964	2,679	0	1,524	3,162	3,877	36,500	36,550	0	606	1,954	2,668	0	1,516	3,152	3,866	36,550	36,600	0	598	1,943	2,658	0	1,508	3,141	3,856	36,600	36,650	0	590	1,933	2,647	0	1,500	3,131	3,845	36,650	36,700	0	582	1,922	2,637	0	1,492	3,120	3,835	36,700	36,750	0	574	1,912	2,626	0	1,484	3,110	3,824	36,750	36,800	0	566	1,901	2,615	0	1,476	3,099	3,814	36,800	36,850	0	558	1,890	2,605	0	1,468	3,089	3,803	36,850	36,900	0	550	1,880	2,594	0	1,460	3,078	3,793	36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645
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34,400	34,450	0	942	2,396	3,110	0	1,851	3,594	4,309	34,450	34,500	0	934	2,385	3,100	0	1,843	3,584	4,298	34,500	34,550	0	926	2,375	3,089	0	1,835	3,573	4,288	34,550	34,600	0	918	2,364	3,079	0	1,827	3,563	4,277	34,600	34,650	0	910	2,354	3,068	0	1,819	3,552	4,267	34,650	34,700	0	902	2,343	3,058	0	1,811	3,542	4,256	34,700	34,750	0	894	2,333	3,047	0	1,803	3,531	4,246	34,750	34,800	0	886	2,322	3,037	0	1,795	3,520	4,235	34,800	34,850	0	878	2,312	3,026	0	1,787	3,510	4,224	34,850	34,900	0	870	2,301	3,016	0	1,779	3,499	4,214	34,900	34,950	0	862	2,291	3,005	0	1,771	3,489	4,203	34,950	35,000	0	854	2,280	2,995	0	1,763	3,478	4,193	35,000	35,050	0	846	2,270	2,984	0	1,755	3,468	4,182	35,050	35,100	0	838	2,259	2,974	0	1,747	3,457	4,172	35,100	35,150	0	830	2,248	2,963	0	1,739	3,447	4,161	35,150	35,200	0	822	2,238	2,952	0	1,731	3,436	4,151	35,200	35,250	0	814	2,227	2,942	0	1,723	3,426	4,140	35,250	35,300	0	806	2,217	2,931	0	1,715	3,415	4,130	35,300	35,350	0	798	2,206	2,921	0	1,707	3,405	4,119	35,350	35,400	0	790	2,196	2,910	0	1,699	3,394	4,109	35,400	35,450	0	782	2,185	2,900	0	1,691	3,384	4,098	35,450	35,500	0	774	2,175	2,889	0	1,683	3,373	4,088	35,500	35,550	0	766	2,164	2,879	0	1,675	3,363	4,077	35,550	35,600	0	758	2,154	2,868	0	1,667	3,352	4,067	35,600	35,650	0	750	2,143	2,858	0	1,659	3,341	4,056	35,650	35,700	0	742	2,133	2,847	0	1,651	3,331	4,045	35,700	35,750	0	734	2,122	2,837	0	1,643	3,320	4,035	35,750	35,800	0	726	2,112	2,826	0	1,635	3,310	4,024	35,800	35,850	0	718	2,101	2,816	0	1,627	3,299	4,014	35,850	35,900	0	710	2,091	2,805	0	1,620	3,289	4,003	35,900	35,950	0	702	2,080	2,794	0	1,612	3,278	3,993	35,950	36,000	0	694	2,069	2,784	0	1,604	3,268	3,982	36,000	36,050	0	686	2,059	2,773	0	1,596	3,257	3,972	36,050	36,100	0	678	2,048	2,763	0	1,588	3,247	3,961	36,100	36,150	0	670	2,038	2,752	0	1,580	3,236	3,951	36,150	36,200	0	662	2,027	2,742	0	1,572	3,226	3,940	36,200	36,250	0	654	2,017	2,731	0	1,564	3,215	3,930	36,250	36,300	0	646	2,006	2,721	0	1,556	3,205	3,919	36,300	36,350	0	638	1,996	2,710	0	1,548	3,194	3,909	36,350	36,400	0	630	1,985	2,700	0	1,540	3,184	3,898	36,400	36,450	0	622	1,975	2,689	0	1,532	3,173	3,888	36,450	36,500	0	614	1,964	2,679	0	1,524	3,162	3,877	36,500	36,550	0	606	1,954	2,668	0	1,516	3,152	3,866	36,550	36,600	0	598	1,943	2,658	0	1,508	3,141	3,856	36,600	36,650	0	590	1,933	2,647	0	1,500	3,131	3,845	36,650	36,700	0	582	1,922	2,637	0	1,492	3,120	3,835	36,700	36,750	0	574	1,912	2,626	0	1,484	3,110	3,824	36,750	36,800	0	566	1,901	2,615	0	1,476	3,099	3,814	36,800	36,850	0	558	1,890	2,605	0	1,468	3,089	3,803	36,850	36,900	0	550	1,880	2,594	0	1,460	3,078	3,793	36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																															
34,450	34,500	0	934	2,385	3,100	0	1,843	3,584	4,298	34,500	34,550	0	926	2,375	3,089	0	1,835	3,573	4,288	34,550	34,600	0	918	2,364	3,079	0	1,827	3,563	4,277	34,600	34,650	0	910	2,354	3,068	0	1,819	3,552	4,267	34,650	34,700	0	902	2,343	3,058	0	1,811	3,542	4,256	34,700	34,750	0	894	2,333	3,047	0	1,803	3,531	4,246	34,750	34,800	0	886	2,322	3,037	0	1,795	3,520	4,235	34,800	34,850	0	878	2,312	3,026	0	1,787	3,510	4,224	34,850	34,900	0	870	2,301	3,016	0	1,779	3,499	4,214	34,900	34,950	0	862	2,291	3,005	0	1,771	3,489	4,203	34,950	35,000	0	854	2,280	2,995	0	1,763	3,478	4,193	35,000	35,050	0	846	2,270	2,984	0	1,755	3,468	4,182	35,050	35,100	0	838	2,259	2,974	0	1,747	3,457	4,172	35,100	35,150	0	830	2,248	2,963	0	1,739	3,447	4,161	35,150	35,200	0	822	2,238	2,952	0	1,731	3,436	4,151	35,200	35,250	0	814	2,227	2,942	0	1,723	3,426	4,140	35,250	35,300	0	806	2,217	2,931	0	1,715	3,415	4,130	35,300	35,350	0	798	2,206	2,921	0	1,707	3,405	4,119	35,350	35,400	0	790	2,196	2,910	0	1,699	3,394	4,109	35,400	35,450	0	782	2,185	2,900	0	1,691	3,384	4,098	35,450	35,500	0	774	2,175	2,889	0	1,683	3,373	4,088	35,500	35,550	0	766	2,164	2,879	0	1,675	3,363	4,077	35,550	35,600	0	758	2,154	2,868	0	1,667	3,352	4,067	35,600	35,650	0	750	2,143	2,858	0	1,659	3,341	4,056	35,650	35,700	0	742	2,133	2,847	0	1,651	3,331	4,045	35,700	35,750	0	734	2,122	2,837	0	1,643	3,320	4,035	35,750	35,800	0	726	2,112	2,826	0	1,635	3,310	4,024	35,800	35,850	0	718	2,101	2,816	0	1,627	3,299	4,014	35,850	35,900	0	710	2,091	2,805	0	1,620	3,289	4,003	35,900	35,950	0	702	2,080	2,794	0	1,612	3,278	3,993	35,950	36,000	0	694	2,069	2,784	0	1,604	3,268	3,982	36,000	36,050	0	686	2,059	2,773	0	1,596	3,257	3,972	36,050	36,100	0	678	2,048	2,763	0	1,588	3,247	3,961	36,100	36,150	0	670	2,038	2,752	0	1,580	3,236	3,951	36,150	36,200	0	662	2,027	2,742	0	1,572	3,226	3,940	36,200	36,250	0	654	2,017	2,731	0	1,564	3,215	3,930	36,250	36,300	0	646	2,006	2,721	0	1,556	3,205	3,919	36,300	36,350	0	638	1,996	2,710	0	1,548	3,194	3,909	36,350	36,400	0	630	1,985	2,700	0	1,540	3,184	3,898	36,400	36,450	0	622	1,975	2,689	0	1,532	3,173	3,888	36,450	36,500	0	614	1,964	2,679	0	1,524	3,162	3,877	36,500	36,550	0	606	1,954	2,668	0	1,516	3,152	3,866	36,550	36,600	0	598	1,943	2,658	0	1,508	3,141	3,856	36,600	36,650	0	590	1,933	2,647	0	1,500	3,131	3,845	36,650	36,700	0	582	1,922	2,637	0	1,492	3,120	3,835	36,700	36,750	0	574	1,912	2,626	0	1,484	3,110	3,824	36,750	36,800	0	566	1,901	2,615	0	1,476	3,099	3,814	36,800	36,850	0	558	1,890	2,605	0	1,468	3,089	3,803	36,850	36,900	0	550	1,880	2,594	0	1,460	3,078	3,793	36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																									
34,500	34,550	0	926	2,375	3,089	0	1,835	3,573	4,288	34,550	34,600	0	918	2,364	3,079	0	1,827	3,563	4,277	34,600	34,650	0	910	2,354	3,068	0	1,819	3,552	4,267	34,650	34,700	0	902	2,343	3,058	0	1,811	3,542	4,256	34,700	34,750	0	894	2,333	3,047	0	1,803	3,531	4,246	34,750	34,800	0	886	2,322	3,037	0	1,795	3,520	4,235	34,800	34,850	0	878	2,312	3,026	0	1,787	3,510	4,224	34,850	34,900	0	870	2,301	3,016	0	1,779	3,499	4,214	34,900	34,950	0	862	2,291	3,005	0	1,771	3,489	4,203	34,950	35,000	0	854	2,280	2,995	0	1,763	3,478	4,193	35,000	35,050	0	846	2,270	2,984	0	1,755	3,468	4,182	35,050	35,100	0	838	2,259	2,974	0	1,747	3,457	4,172	35,100	35,150	0	830	2,248	2,963	0	1,739	3,447	4,161	35,150	35,200	0	822	2,238	2,952	0	1,731	3,436	4,151	35,200	35,250	0	814	2,227	2,942	0	1,723	3,426	4,140	35,250	35,300	0	806	2,217	2,931	0	1,715	3,415	4,130	35,300	35,350	0	798	2,206	2,921	0	1,707	3,405	4,119	35,350	35,400	0	790	2,196	2,910	0	1,699	3,394	4,109	35,400	35,450	0	782	2,185	2,900	0	1,691	3,384	4,098	35,450	35,500	0	774	2,175	2,889	0	1,683	3,373	4,088	35,500	35,550	0	766	2,164	2,879	0	1,675	3,363	4,077	35,550	35,600	0	758	2,154	2,868	0	1,667	3,352	4,067	35,600	35,650	0	750	2,143	2,858	0	1,659	3,341	4,056	35,650	35,700	0	742	2,133	2,847	0	1,651	3,331	4,045	35,700	35,750	0	734	2,122	2,837	0	1,643	3,320	4,035	35,750	35,800	0	726	2,112	2,826	0	1,635	3,310	4,024	35,800	35,850	0	718	2,101	2,816	0	1,627	3,299	4,014	35,850	35,900	0	710	2,091	2,805	0	1,620	3,289	4,003	35,900	35,950	0	702	2,080	2,794	0	1,612	3,278	3,993	35,950	36,000	0	694	2,069	2,784	0	1,604	3,268	3,982	36,000	36,050	0	686	2,059	2,773	0	1,596	3,257	3,972	36,050	36,100	0	678	2,048	2,763	0	1,588	3,247	3,961	36,100	36,150	0	670	2,038	2,752	0	1,580	3,236	3,951	36,150	36,200	0	662	2,027	2,742	0	1,572	3,226	3,940	36,200	36,250	0	654	2,017	2,731	0	1,564	3,215	3,930	36,250	36,300	0	646	2,006	2,721	0	1,556	3,205	3,919	36,300	36,350	0	638	1,996	2,710	0	1,548	3,194	3,909	36,350	36,400	0	630	1,985	2,700	0	1,540	3,184	3,898	36,400	36,450	0	622	1,975	2,689	0	1,532	3,173	3,888	36,450	36,500	0	614	1,964	2,679	0	1,524	3,162	3,877	36,500	36,550	0	606	1,954	2,668	0	1,516	3,152	3,866	36,550	36,600	0	598	1,943	2,658	0	1,508	3,141	3,856	36,600	36,650	0	590	1,933	2,647	0	1,500	3,131	3,845	36,650	36,700	0	582	1,922	2,637	0	1,492	3,120	3,835	36,700	36,750	0	574	1,912	2,626	0	1,484	3,110	3,824	36,750	36,800	0	566	1,901	2,615	0	1,476	3,099	3,814	36,800	36,850	0	558	1,890	2,605	0	1,468	3,089	3,803	36,850	36,900	0	550	1,880	2,594	0	1,460	3,078	3,793	36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																			
34,550	34,600	0	918	2,364	3,079	0	1,827	3,563	4,277																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
34,600	34,650	0	910	2,354	3,068	0	1,819	3,552	4,267	34,650	34,700	0	902	2,343	3,058	0	1,811	3,542	4,256	34,700	34,750	0	894	2,333	3,047	0	1,803	3,531	4,246	34,750	34,800	0	886	2,322	3,037	0	1,795	3,520	4,235	34,800	34,850	0	878	2,312	3,026	0	1,787	3,510	4,224	34,850	34,900	0	870	2,301	3,016	0	1,779	3,499	4,214	34,900	34,950	0	862	2,291	3,005	0	1,771	3,489	4,203	34,950	35,000	0	854	2,280	2,995	0	1,763	3,478	4,193	35,000	35,050	0	846	2,270	2,984	0	1,755	3,468	4,182	35,050	35,100	0	838	2,259	2,974	0	1,747	3,457	4,172	35,100	35,150	0	830	2,248	2,963	0	1,739	3,447	4,161	35,150	35,200	0	822	2,238	2,952	0	1,731	3,436	4,151	35,200	35,250	0	814	2,227	2,942	0	1,723	3,426	4,140	35,250	35,300	0	806	2,217	2,931	0	1,715	3,415	4,130	35,300	35,350	0	798	2,206	2,921	0	1,707	3,405	4,119	35,350	35,400	0	790	2,196	2,910	0	1,699	3,394	4,109	35,400	35,450	0	782	2,185	2,900	0	1,691	3,384	4,098	35,450	35,500	0	774	2,175	2,889	0	1,683	3,373	4,088	35,500	35,550	0	766	2,164	2,879	0	1,675	3,363	4,077	35,550	35,600	0	758	2,154	2,868	0	1,667	3,352	4,067	35,600	35,650	0	750	2,143	2,858	0	1,659	3,341	4,056	35,650	35,700	0	742	2,133	2,847	0	1,651	3,331	4,045	35,700	35,750	0	734	2,122	2,837	0	1,643	3,320	4,035	35,750	35,800	0	726	2,112	2,826	0	1,635	3,310	4,024	35,800	35,850	0	718	2,101	2,816	0	1,627	3,299	4,014	35,850	35,900	0	710	2,091	2,805	0	1,620	3,289	4,003	35,900	35,950	0	702	2,080	2,794	0	1,612	3,278	3,993	35,950	36,000	0	694	2,069	2,784	0	1,604	3,268	3,982	36,000	36,050	0	686	2,059	2,773	0	1,596	3,257	3,972	36,050	36,100	0	678	2,048	2,763	0	1,588	3,247	3,961	36,100	36,150	0	670	2,038	2,752	0	1,580	3,236	3,951	36,150	36,200	0	662	2,027	2,742	0	1,572	3,226	3,940	36,200	36,250	0	654	2,017	2,731	0	1,564	3,215	3,930	36,250	36,300	0	646	2,006	2,721	0	1,556	3,205	3,919	36,300	36,350	0	638	1,996	2,710	0	1,548	3,194	3,909	36,350	36,400	0	630	1,985	2,700	0	1,540	3,184	3,898	36,400	36,450	0	622	1,975	2,689	0	1,532	3,173	3,888	36,450	36,500	0	614	1,964	2,679	0	1,524	3,162	3,877	36,500	36,550	0	606	1,954	2,668	0	1,516	3,152	3,866	36,550	36,600	0	598	1,943	2,658	0	1,508	3,141	3,856	36,600	36,650	0	590	1,933	2,647	0	1,500	3,131	3,845	36,650	36,700	0	582	1,922	2,637	0	1,492	3,120	3,835	36,700	36,750	0	574	1,912	2,626	0	1,484	3,110	3,824	36,750	36,800	0	566	1,901	2,615	0	1,476	3,099	3,814	36,800	36,850	0	558	1,890	2,605	0	1,468	3,089	3,803	36,850	36,900	0	550	1,880	2,594	0	1,460	3,078	3,793	36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																							
34,650	34,700	0	902	2,343	3,058	0	1,811	3,542	4,256	34,700	34,750	0	894	2,333	3,047	0	1,803	3,531	4,246	34,750	34,800	0	886	2,322	3,037	0	1,795	3,520	4,235	34,800	34,850	0	878	2,312	3,026	0	1,787	3,510	4,224	34,850	34,900	0	870	2,301	3,016	0	1,779	3,499	4,214	34,900	34,950	0	862	2,291	3,005	0	1,771	3,489	4,203	34,950	35,000	0	854	2,280	2,995	0	1,763	3,478	4,193	35,000	35,050	0	846	2,270	2,984	0	1,755	3,468	4,182	35,050	35,100	0	838	2,259	2,974	0	1,747	3,457	4,172	35,100	35,150	0	830	2,248	2,963	0	1,739	3,447	4,161	35,150	35,200	0	822	2,238	2,952	0	1,731	3,436	4,151	35,200	35,250	0	814	2,227	2,942	0	1,723	3,426	4,140	35,250	35,300	0	806	2,217	2,931	0	1,715	3,415	4,130	35,300	35,350	0	798	2,206	2,921	0	1,707	3,405	4,119	35,350	35,400	0	790	2,196	2,910	0	1,699	3,394	4,109	35,400	35,450	0	782	2,185	2,900	0	1,691	3,384	4,098	35,450	35,500	0	774	2,175	2,889	0	1,683	3,373	4,088	35,500	35,550	0	766	2,164	2,879	0	1,675	3,363	4,077	35,550	35,600	0	758	2,154	2,868	0	1,667	3,352	4,067	35,600	35,650	0	750	2,143	2,858	0	1,659	3,341	4,056	35,650	35,700	0	742	2,133	2,847	0	1,651	3,331	4,045	35,700	35,750	0	734	2,122	2,837	0	1,643	3,320	4,035	35,750	35,800	0	726	2,112	2,826	0	1,635	3,310	4,024	35,800	35,850	0	718	2,101	2,816	0	1,627	3,299	4,014	35,850	35,900	0	710	2,091	2,805	0	1,620	3,289	4,003	35,900	35,950	0	702	2,080	2,794	0	1,612	3,278	3,993	35,950	36,000	0	694	2,069	2,784	0	1,604	3,268	3,982	36,000	36,050	0	686	2,059	2,773	0	1,596	3,257	3,972	36,050	36,100	0	678	2,048	2,763	0	1,588	3,247	3,961	36,100	36,150	0	670	2,038	2,752	0	1,580	3,236	3,951	36,150	36,200	0	662	2,027	2,742	0	1,572	3,226	3,940	36,200	36,250	0	654	2,017	2,731	0	1,564	3,215	3,930	36,250	36,300	0	646	2,006	2,721	0	1,556	3,205	3,919	36,300	36,350	0	638	1,996	2,710	0	1,548	3,194	3,909	36,350	36,400	0	630	1,985	2,700	0	1,540	3,184	3,898	36,400	36,450	0	622	1,975	2,689	0	1,532	3,173	3,888	36,450	36,500	0	614	1,964	2,679	0	1,524	3,162	3,877	36,500	36,550	0	606	1,954	2,668	0	1,516	3,152	3,866	36,550	36,600	0	598	1,943	2,658	0	1,508	3,141	3,856	36,600	36,650	0	590	1,933	2,647	0	1,500	3,131	3,845	36,650	36,700	0	582	1,922	2,637	0	1,492	3,120	3,835	36,700	36,750	0	574	1,912	2,626	0	1,484	3,110	3,824	36,750	36,800	0	566	1,901	2,615	0	1,476	3,099	3,814	36,800	36,850	0	558	1,890	2,605	0	1,468	3,089	3,803	36,850	36,900	0	550	1,880	2,594	0	1,460	3,078	3,793	36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																	
34,700	34,750	0	894	2,333	3,047	0	1,803	3,531	4,246	34,750	34,800	0	886	2,322	3,037	0	1,795	3,520	4,235	34,800	34,850	0	878	2,312	3,026	0	1,787	3,510	4,224	34,850	34,900	0	870	2,301	3,016	0	1,779	3,499	4,214	34,900	34,950	0	862	2,291	3,005	0	1,771	3,489	4,203	34,950	35,000	0	854	2,280	2,995	0	1,763	3,478	4,193	35,000	35,050	0	846	2,270	2,984	0	1,755	3,468	4,182	35,050	35,100	0	838	2,259	2,974	0	1,747	3,457	4,172	35,100	35,150	0	830	2,248	2,963	0	1,739	3,447	4,161	35,150	35,200	0	822	2,238	2,952	0	1,731	3,436	4,151	35,200	35,250	0	814	2,227	2,942	0	1,723	3,426	4,140	35,250	35,300	0	806	2,217	2,931	0	1,715	3,415	4,130	35,300	35,350	0	798	2,206	2,921	0	1,707	3,405	4,119	35,350	35,400	0	790	2,196	2,910	0	1,699	3,394	4,109	35,400	35,450	0	782	2,185	2,900	0	1,691	3,384	4,098	35,450	35,500	0	774	2,175	2,889	0	1,683	3,373	4,088	35,500	35,550	0	766	2,164	2,879	0	1,675	3,363	4,077	35,550	35,600	0	758	2,154	2,868	0	1,667	3,352	4,067	35,600	35,650	0	750	2,143	2,858	0	1,659	3,341	4,056	35,650	35,700	0	742	2,133	2,847	0	1,651	3,331	4,045	35,700	35,750	0	734	2,122	2,837	0	1,643	3,320	4,035	35,750	35,800	0	726	2,112	2,826	0	1,635	3,310	4,024	35,800	35,850	0	718	2,101	2,816	0	1,627	3,299	4,014	35,850	35,900	0	710	2,091	2,805	0	1,620	3,289	4,003	35,900	35,950	0	702	2,080	2,794	0	1,612	3,278	3,993	35,950	36,000	0	694	2,069	2,784	0	1,604	3,268	3,982	36,000	36,050	0	686	2,059	2,773	0	1,596	3,257	3,972	36,050	36,100	0	678	2,048	2,763	0	1,588	3,247	3,961	36,100	36,150	0	670	2,038	2,752	0	1,580	3,236	3,951	36,150	36,200	0	662	2,027	2,742	0	1,572	3,226	3,940	36,200	36,250	0	654	2,017	2,731	0	1,564	3,215	3,930	36,250	36,300	0	646	2,006	2,721	0	1,556	3,205	3,919	36,300	36,350	0	638	1,996	2,710	0	1,548	3,194	3,909	36,350	36,400	0	630	1,985	2,700	0	1,540	3,184	3,898	36,400	36,450	0	622	1,975	2,689	0	1,532	3,173	3,888	36,450	36,500	0	614	1,964	2,679	0	1,524	3,162	3,877	36,500	36,550	0	606	1,954	2,668	0	1,516	3,152	3,866	36,550	36,600	0	598	1,943	2,658	0	1,508	3,141	3,856	36,600	36,650	0	590	1,933	2,647	0	1,500	3,131	3,845	36,650	36,700	0	582	1,922	2,637	0	1,492	3,120	3,835	36,700	36,750	0	574	1,912	2,626	0	1,484	3,110	3,824	36,750	36,800	0	566	1,901	2,615	0	1,476	3,099	3,814	36,800	36,850	0	558	1,890	2,605	0	1,468	3,089	3,803	36,850	36,900	0	550	1,880	2,594	0	1,460	3,078	3,793	36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																											
34,750	34,800	0	886	2,322	3,037	0	1,795	3,520	4,235																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
34,800	34,850	0	878	2,312	3,026	0	1,787	3,510	4,224	34,850	34,900	0	870	2,301	3,016	0	1,779	3,499	4,214	34,900	34,950	0	862	2,291	3,005	0	1,771	3,489	4,203	34,950	35,000	0	854	2,280	2,995	0	1,763	3,478	4,193	35,000	35,050	0	846	2,270	2,984	0	1,755	3,468	4,182	35,050	35,100	0	838	2,259	2,974	0	1,747	3,457	4,172	35,100	35,150	0	830	2,248	2,963	0	1,739	3,447	4,161	35,150	35,200	0	822	2,238	2,952	0	1,731	3,436	4,151	35,200	35,250	0	814	2,227	2,942	0	1,723	3,426	4,140	35,250	35,300	0	806	2,217	2,931	0	1,715	3,415	4,130	35,300	35,350	0	798	2,206	2,921	0	1,707	3,405	4,119	35,350	35,400	0	790	2,196	2,910	0	1,699	3,394	4,109	35,400	35,450	0	782	2,185	2,900	0	1,691	3,384	4,098	35,450	35,500	0	774	2,175	2,889	0	1,683	3,373	4,088	35,500	35,550	0	766	2,164	2,879	0	1,675	3,363	4,077	35,550	35,600	0	758	2,154	2,868	0	1,667	3,352	4,067	35,600	35,650	0	750	2,143	2,858	0	1,659	3,341	4,056	35,650	35,700	0	742	2,133	2,847	0	1,651	3,331	4,045	35,700	35,750	0	734	2,122	2,837	0	1,643	3,320	4,035	35,750	35,800	0	726	2,112	2,826	0	1,635	3,310	4,024	35,800	35,850	0	718	2,101	2,816	0	1,627	3,299	4,014	35,850	35,900	0	710	2,091	2,805	0	1,620	3,289	4,003	35,900	35,950	0	702	2,080	2,794	0	1,612	3,278	3,993	35,950	36,000	0	694	2,069	2,784	0	1,604	3,268	3,982	36,000	36,050	0	686	2,059	2,773	0	1,596	3,257	3,972	36,050	36,100	0	678	2,048	2,763	0	1,588	3,247	3,961	36,100	36,150	0	670	2,038	2,752	0	1,580	3,236	3,951	36,150	36,200	0	662	2,027	2,742	0	1,572	3,226	3,940	36,200	36,250	0	654	2,017	2,731	0	1,564	3,215	3,930	36,250	36,300	0	646	2,006	2,721	0	1,556	3,205	3,919	36,300	36,350	0	638	1,996	2,710	0	1,548	3,194	3,909	36,350	36,400	0	630	1,985	2,700	0	1,540	3,184	3,898	36,400	36,450	0	622	1,975	2,689	0	1,532	3,173	3,888	36,450	36,500	0	614	1,964	2,679	0	1,524	3,162	3,877	36,500	36,550	0	606	1,954	2,668	0	1,516	3,152	3,866	36,550	36,600	0	598	1,943	2,658	0	1,508	3,141	3,856	36,600	36,650	0	590	1,933	2,647	0	1,500	3,131	3,845	36,650	36,700	0	582	1,922	2,637	0	1,492	3,120	3,835	36,700	36,750	0	574	1,912	2,626	0	1,484	3,110	3,824	36,750	36,800	0	566	1,901	2,615	0	1,476	3,099	3,814	36,800	36,850	0	558	1,890	2,605	0	1,468	3,089	3,803	36,850	36,900	0	550	1,880	2,594	0	1,460	3,078	3,793	36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																															
34,850	34,900	0	870	2,301	3,016	0	1,779	3,499	4,214	34,900	34,950	0	862	2,291	3,005	0	1,771	3,489	4,203	34,950	35,000	0	854	2,280	2,995	0	1,763	3,478	4,193	35,000	35,050	0	846	2,270	2,984	0	1,755	3,468	4,182	35,050	35,100	0	838	2,259	2,974	0	1,747	3,457	4,172	35,100	35,150	0	830	2,248	2,963	0	1,739	3,447	4,161	35,150	35,200	0	822	2,238	2,952	0	1,731	3,436	4,151	35,200	35,250	0	814	2,227	2,942	0	1,723	3,426	4,140	35,250	35,300	0	806	2,217	2,931	0	1,715	3,415	4,130	35,300	35,350	0	798	2,206	2,921	0	1,707	3,405	4,119	35,350	35,400	0	790	2,196	2,910	0	1,699	3,394	4,109	35,400	35,450	0	782	2,185	2,900	0	1,691	3,384	4,098	35,450	35,500	0	774	2,175	2,889	0	1,683	3,373	4,088	35,500	35,550	0	766	2,164	2,879	0	1,675	3,363	4,077	35,550	35,600	0	758	2,154	2,868	0	1,667	3,352	4,067	35,600	35,650	0	750	2,143	2,858	0	1,659	3,341	4,056	35,650	35,700	0	742	2,133	2,847	0	1,651	3,331	4,045	35,700	35,750	0	734	2,122	2,837	0	1,643	3,320	4,035	35,750	35,800	0	726	2,112	2,826	0	1,635	3,310	4,024	35,800	35,850	0	718	2,101	2,816	0	1,627	3,299	4,014	35,850	35,900	0	710	2,091	2,805	0	1,620	3,289	4,003	35,900	35,950	0	702	2,080	2,794	0	1,612	3,278	3,993	35,950	36,000	0	694	2,069	2,784	0	1,604	3,268	3,982	36,000	36,050	0	686	2,059	2,773	0	1,596	3,257	3,972	36,050	36,100	0	678	2,048	2,763	0	1,588	3,247	3,961	36,100	36,150	0	670	2,038	2,752	0	1,580	3,236	3,951	36,150	36,200	0	662	2,027	2,742	0	1,572	3,226	3,940	36,200	36,250	0	654	2,017	2,731	0	1,564	3,215	3,930	36,250	36,300	0	646	2,006	2,721	0	1,556	3,205	3,919	36,300	36,350	0	638	1,996	2,710	0	1,548	3,194	3,909	36,350	36,400	0	630	1,985	2,700	0	1,540	3,184	3,898	36,400	36,450	0	622	1,975	2,689	0	1,532	3,173	3,888	36,450	36,500	0	614	1,964	2,679	0	1,524	3,162	3,877	36,500	36,550	0	606	1,954	2,668	0	1,516	3,152	3,866	36,550	36,600	0	598	1,943	2,658	0	1,508	3,141	3,856	36,600	36,650	0	590	1,933	2,647	0	1,500	3,131	3,845	36,650	36,700	0	582	1,922	2,637	0	1,492	3,120	3,835	36,700	36,750	0	574	1,912	2,626	0	1,484	3,110	3,824	36,750	36,800	0	566	1,901	2,615	0	1,476	3,099	3,814	36,800	36,850	0	558	1,890	2,605	0	1,468	3,089	3,803	36,850	36,900	0	550	1,880	2,594	0	1,460	3,078	3,793	36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																									
34,900	34,950	0	862	2,291	3,005	0	1,771	3,489	4,203	34,950	35,000	0	854	2,280	2,995	0	1,763	3,478	4,193	35,000	35,050	0	846	2,270	2,984	0	1,755	3,468	4,182	35,050	35,100	0	838	2,259	2,974	0	1,747	3,457	4,172	35,100	35,150	0	830	2,248	2,963	0	1,739	3,447	4,161	35,150	35,200	0	822	2,238	2,952	0	1,731	3,436	4,151	35,200	35,250	0	814	2,227	2,942	0	1,723	3,426	4,140	35,250	35,300	0	806	2,217	2,931	0	1,715	3,415	4,130	35,300	35,350	0	798	2,206	2,921	0	1,707	3,405	4,119	35,350	35,400	0	790	2,196	2,910	0	1,699	3,394	4,109	35,400	35,450	0	782	2,185	2,900	0	1,691	3,384	4,098	35,450	35,500	0	774	2,175	2,889	0	1,683	3,373	4,088	35,500	35,550	0	766	2,164	2,879	0	1,675	3,363	4,077	35,550	35,600	0	758	2,154	2,868	0	1,667	3,352	4,067	35,600	35,650	0	750	2,143	2,858	0	1,659	3,341	4,056	35,650	35,700	0	742	2,133	2,847	0	1,651	3,331	4,045	35,700	35,750	0	734	2,122	2,837	0	1,643	3,320	4,035	35,750	35,800	0	726	2,112	2,826	0	1,635	3,310	4,024	35,800	35,850	0	718	2,101	2,816	0	1,627	3,299	4,014	35,850	35,900	0	710	2,091	2,805	0	1,620	3,289	4,003	35,900	35,950	0	702	2,080	2,794	0	1,612	3,278	3,993	35,950	36,000	0	694	2,069	2,784	0	1,604	3,268	3,982	36,000	36,050	0	686	2,059	2,773	0	1,596	3,257	3,972	36,050	36,100	0	678	2,048	2,763	0	1,588	3,247	3,961	36,100	36,150	0	670	2,038	2,752	0	1,580	3,236	3,951	36,150	36,200	0	662	2,027	2,742	0	1,572	3,226	3,940	36,200	36,250	0	654	2,017	2,731	0	1,564	3,215	3,930	36,250	36,300	0	646	2,006	2,721	0	1,556	3,205	3,919	36,300	36,350	0	638	1,996	2,710	0	1,548	3,194	3,909	36,350	36,400	0	630	1,985	2,700	0	1,540	3,184	3,898	36,400	36,450	0	622	1,975	2,689	0	1,532	3,173	3,888	36,450	36,500	0	614	1,964	2,679	0	1,524	3,162	3,877	36,500	36,550	0	606	1,954	2,668	0	1,516	3,152	3,866	36,550	36,600	0	598	1,943	2,658	0	1,508	3,141	3,856	36,600	36,650	0	590	1,933	2,647	0	1,500	3,131	3,845	36,650	36,700	0	582	1,922	2,637	0	1,492	3,120	3,835	36,700	36,750	0	574	1,912	2,626	0	1,484	3,110	3,824	36,750	36,800	0	566	1,901	2,615	0	1,476	3,099	3,814	36,800	36,850	0	558	1,890	2,605	0	1,468	3,089	3,803	36,850	36,900	0	550	1,880	2,594	0	1,460	3,078	3,793	36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																			
34,950	35,000	0	854	2,280	2,995	0	1,763	3,478	4,193																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
35,000	35,050	0	846	2,270	2,984	0	1,755	3,468	4,182	35,050	35,100	0	838	2,259	2,974	0	1,747	3,457	4,172	35,100	35,150	0	830	2,248	2,963	0	1,739	3,447	4,161	35,150	35,200	0	822	2,238	2,952	0	1,731	3,436	4,151	35,200	35,250	0	814	2,227	2,942	0	1,723	3,426	4,140	35,250	35,300	0	806	2,217	2,931	0	1,715	3,415	4,130	35,300	35,350	0	798	2,206	2,921	0	1,707	3,405	4,119	35,350	35,400	0	790	2,196	2,910	0	1,699	3,394	4,109	35,400	35,450	0	782	2,185	2,900	0	1,691	3,384	4,098	35,450	35,500	0	774	2,175	2,889	0	1,683	3,373	4,088	35,500	35,550	0	766	2,164	2,879	0	1,675	3,363	4,077	35,550	35,600	0	758	2,154	2,868	0	1,667	3,352	4,067	35,600	35,650	0	750	2,143	2,858	0	1,659	3,341	4,056	35,650	35,700	0	742	2,133	2,847	0	1,651	3,331	4,045	35,700	35,750	0	734	2,122	2,837	0	1,643	3,320	4,035	35,750	35,800	0	726	2,112	2,826	0	1,635	3,310	4,024	35,800	35,850	0	718	2,101	2,816	0	1,627	3,299	4,014	35,850	35,900	0	710	2,091	2,805	0	1,620	3,289	4,003	35,900	35,950	0	702	2,080	2,794	0	1,612	3,278	3,993	35,950	36,000	0	694	2,069	2,784	0	1,604	3,268	3,982	36,000	36,050	0	686	2,059	2,773	0	1,596	3,257	3,972	36,050	36,100	0	678	2,048	2,763	0	1,588	3,247	3,961	36,100	36,150	0	670	2,038	2,752	0	1,580	3,236	3,951	36,150	36,200	0	662	2,027	2,742	0	1,572	3,226	3,940	36,200	36,250	0	654	2,017	2,731	0	1,564	3,215	3,930	36,250	36,300	0	646	2,006	2,721	0	1,556	3,205	3,919	36,300	36,350	0	638	1,996	2,710	0	1,548	3,194	3,909	36,350	36,400	0	630	1,985	2,700	0	1,540	3,184	3,898	36,400	36,450	0	622	1,975	2,689	0	1,532	3,173	3,888	36,450	36,500	0	614	1,964	2,679	0	1,524	3,162	3,877	36,500	36,550	0	606	1,954	2,668	0	1,516	3,152	3,866	36,550	36,600	0	598	1,943	2,658	0	1,508	3,141	3,856	36,600	36,650	0	590	1,933	2,647	0	1,500	3,131	3,845	36,650	36,700	0	582	1,922	2,637	0	1,492	3,120	3,835	36,700	36,750	0	574	1,912	2,626	0	1,484	3,110	3,824	36,750	36,800	0	566	1,901	2,615	0	1,476	3,099	3,814	36,800	36,850	0	558	1,890	2,605	0	1,468	3,089	3,803	36,850	36,900	0	550	1,880	2,594	0	1,460	3,078	3,793	36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																							
35,050	35,100	0	838	2,259	2,974	0	1,747	3,457	4,172	35,100	35,150	0	830	2,248	2,963	0	1,739	3,447	4,161	35,150	35,200	0	822	2,238	2,952	0	1,731	3,436	4,151	35,200	35,250	0	814	2,227	2,942	0	1,723	3,426	4,140	35,250	35,300	0	806	2,217	2,931	0	1,715	3,415	4,130	35,300	35,350	0	798	2,206	2,921	0	1,707	3,405	4,119	35,350	35,400	0	790	2,196	2,910	0	1,699	3,394	4,109	35,400	35,450	0	782	2,185	2,900	0	1,691	3,384	4,098	35,450	35,500	0	774	2,175	2,889	0	1,683	3,373	4,088	35,500	35,550	0	766	2,164	2,879	0	1,675	3,363	4,077	35,550	35,600	0	758	2,154	2,868	0	1,667	3,352	4,067	35,600	35,650	0	750	2,143	2,858	0	1,659	3,341	4,056	35,650	35,700	0	742	2,133	2,847	0	1,651	3,331	4,045	35,700	35,750	0	734	2,122	2,837	0	1,643	3,320	4,035	35,750	35,800	0	726	2,112	2,826	0	1,635	3,310	4,024	35,800	35,850	0	718	2,101	2,816	0	1,627	3,299	4,014	35,850	35,900	0	710	2,091	2,805	0	1,620	3,289	4,003	35,900	35,950	0	702	2,080	2,794	0	1,612	3,278	3,993	35,950	36,000	0	694	2,069	2,784	0	1,604	3,268	3,982	36,000	36,050	0	686	2,059	2,773	0	1,596	3,257	3,972	36,050	36,100	0	678	2,048	2,763	0	1,588	3,247	3,961	36,100	36,150	0	670	2,038	2,752	0	1,580	3,236	3,951	36,150	36,200	0	662	2,027	2,742	0	1,572	3,226	3,940	36,200	36,250	0	654	2,017	2,731	0	1,564	3,215	3,930	36,250	36,300	0	646	2,006	2,721	0	1,556	3,205	3,919	36,300	36,350	0	638	1,996	2,710	0	1,548	3,194	3,909	36,350	36,400	0	630	1,985	2,700	0	1,540	3,184	3,898	36,400	36,450	0	622	1,975	2,689	0	1,532	3,173	3,888	36,450	36,500	0	614	1,964	2,679	0	1,524	3,162	3,877	36,500	36,550	0	606	1,954	2,668	0	1,516	3,152	3,866	36,550	36,600	0	598	1,943	2,658	0	1,508	3,141	3,856	36,600	36,650	0	590	1,933	2,647	0	1,500	3,131	3,845	36,650	36,700	0	582	1,922	2,637	0	1,492	3,120	3,835	36,700	36,750	0	574	1,912	2,626	0	1,484	3,110	3,824	36,750	36,800	0	566	1,901	2,615	0	1,476	3,099	3,814	36,800	36,850	0	558	1,890	2,605	0	1,468	3,089	3,803	36,850	36,900	0	550	1,880	2,594	0	1,460	3,078	3,793	36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																																	
35,100	35,150	0	830	2,248	2,963	0	1,739	3,447	4,161	35,150	35,200	0	822	2,238	2,952	0	1,731	3,436	4,151	35,200	35,250	0	814	2,227	2,942	0	1,723	3,426	4,140	35,250	35,300	0	806	2,217	2,931	0	1,715	3,415	4,130	35,300	35,350	0	798	2,206	2,921	0	1,707	3,405	4,119	35,350	35,400	0	790	2,196	2,910	0	1,699	3,394	4,109	35,400	35,450	0	782	2,185	2,900	0	1,691	3,384	4,098	35,450	35,500	0	774	2,175	2,889	0	1,683	3,373	4,088	35,500	35,550	0	766	2,164	2,879	0	1,675	3,363	4,077	35,550	35,600	0	758	2,154	2,868	0	1,667	3,352	4,067	35,600	35,650	0	750	2,143	2,858	0	1,659	3,341	4,056	35,650	35,700	0	742	2,133	2,847	0	1,651	3,331	4,045	35,700	35,750	0	734	2,122	2,837	0	1,643	3,320	4,035	35,750	35,800	0	726	2,112	2,826	0	1,635	3,310	4,024	35,800	35,850	0	718	2,101	2,816	0	1,627	3,299	4,014	35,850	35,900	0	710	2,091	2,805	0	1,620	3,289	4,003	35,900	35,950	0	702	2,080	2,794	0	1,612	3,278	3,993	35,950	36,000	0	694	2,069	2,784	0	1,604	3,268	3,982	36,000	36,050	0	686	2,059	2,773	0	1,596	3,257	3,972	36,050	36,100	0	678	2,048	2,763	0	1,588	3,247	3,961	36,100	36,150	0	670	2,038	2,752	0	1,580	3,236	3,951	36,150	36,200	0	662	2,027	2,742	0	1,572	3,226	3,940	36,200	36,250	0	654	2,017	2,731	0	1,564	3,215	3,930	36,250	36,300	0	646	2,006	2,721	0	1,556	3,205	3,919	36,300	36,350	0	638	1,996	2,710	0	1,548	3,194	3,909	36,350	36,400	0	630	1,985	2,700	0	1,540	3,184	3,898	36,400	36,450	0	622	1,975	2,689	0	1,532	3,173	3,888	36,450	36,500	0	614	1,964	2,679	0	1,524	3,162	3,877	36,500	36,550	0	606	1,954	2,668	0	1,516	3,152	3,866	36,550	36,600	0	598	1,943	2,658	0	1,508	3,141	3,856	36,600	36,650	0	590	1,933	2,647	0	1,500	3,131	3,845	36,650	36,700	0	582	1,922	2,637	0	1,492	3,120	3,835	36,700	36,750	0	574	1,912	2,626	0	1,484	3,110	3,824	36,750	36,800	0	566	1,901	2,615	0	1,476	3,099	3,814	36,800	36,850	0	558	1,890	2,605	0	1,468	3,089	3,803	36,850	36,900	0	550	1,880	2,594	0	1,460	3,078	3,793	36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																																											
35,150	35,200	0	822	2,238	2,952	0	1,731	3,436	4,151																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
35,200	35,250	0	814	2,227	2,942	0	1,723	3,426	4,140	35,250	35,300	0	806	2,217	2,931	0	1,715	3,415	4,130	35,300	35,350	0	798	2,206	2,921	0	1,707	3,405	4,119	35,350	35,400	0	790	2,196	2,910	0	1,699	3,394	4,109	35,400	35,450	0	782	2,185	2,900	0	1,691	3,384	4,098	35,450	35,500	0	774	2,175	2,889	0	1,683	3,373	4,088	35,500	35,550	0	766	2,164	2,879	0	1,675	3,363	4,077	35,550	35,600	0	758	2,154	2,868	0	1,667	3,352	4,067	35,600	35,650	0	750	2,143	2,858	0	1,659	3,341	4,056	35,650	35,700	0	742	2,133	2,847	0	1,651	3,331	4,045	35,700	35,750	0	734	2,122	2,837	0	1,643	3,320	4,035	35,750	35,800	0	726	2,112	2,826	0	1,635	3,310	4,024	35,800	35,850	0	718	2,101	2,816	0	1,627	3,299	4,014	35,850	35,900	0	710	2,091	2,805	0	1,620	3,289	4,003	35,900	35,950	0	702	2,080	2,794	0	1,612	3,278	3,993	35,950	36,000	0	694	2,069	2,784	0	1,604	3,268	3,982	36,000	36,050	0	686	2,059	2,773	0	1,596	3,257	3,972	36,050	36,100	0	678	2,048	2,763	0	1,588	3,247	3,961	36,100	36,150	0	670	2,038	2,752	0	1,580	3,236	3,951	36,150	36,200	0	662	2,027	2,742	0	1,572	3,226	3,940	36,200	36,250	0	654	2,017	2,731	0	1,564	3,215	3,930	36,250	36,300	0	646	2,006	2,721	0	1,556	3,205	3,919	36,300	36,350	0	638	1,996	2,710	0	1,548	3,194	3,909	36,350	36,400	0	630	1,985	2,700	0	1,540	3,184	3,898	36,400	36,450	0	622	1,975	2,689	0	1,532	3,173	3,888	36,450	36,500	0	614	1,964	2,679	0	1,524	3,162	3,877	36,500	36,550	0	606	1,954	2,668	0	1,516	3,152	3,866	36,550	36,600	0	598	1,943	2,658	0	1,508	3,141	3,856	36,600	36,650	0	590	1,933	2,647	0	1,500	3,131	3,845	36,650	36,700	0	582	1,922	2,637	0	1,492	3,120	3,835	36,700	36,750	0	574	1,912	2,626	0	1,484	3,110	3,824	36,750	36,800	0	566	1,901	2,615	0	1,476	3,099	3,814	36,800	36,850	0	558	1,890	2,605	0	1,468	3,089	3,803	36,850	36,900	0	550	1,880	2,594	0	1,460	3,078	3,793	36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																																																															
35,250	35,300	0	806	2,217	2,931	0	1,715	3,415	4,130	35,300	35,350	0	798	2,206	2,921	0	1,707	3,405	4,119	35,350	35,400	0	790	2,196	2,910	0	1,699	3,394	4,109	35,400	35,450	0	782	2,185	2,900	0	1,691	3,384	4,098	35,450	35,500	0	774	2,175	2,889	0	1,683	3,373	4,088	35,500	35,550	0	766	2,164	2,879	0	1,675	3,363	4,077	35,550	35,600	0	758	2,154	2,868	0	1,667	3,352	4,067	35,600	35,650	0	750	2,143	2,858	0	1,659	3,341	4,056	35,650	35,700	0	742	2,133	2,847	0	1,651	3,331	4,045	35,700	35,750	0	734	2,122	2,837	0	1,643	3,320	4,035	35,750	35,800	0	726	2,112	2,826	0	1,635	3,310	4,024	35,800	35,850	0	718	2,101	2,816	0	1,627	3,299	4,014	35,850	35,900	0	710	2,091	2,805	0	1,620	3,289	4,003	35,900	35,950	0	702	2,080	2,794	0	1,612	3,278	3,993	35,950	36,000	0	694	2,069	2,784	0	1,604	3,268	3,982	36,000	36,050	0	686	2,059	2,773	0	1,596	3,257	3,972	36,050	36,100	0	678	2,048	2,763	0	1,588	3,247	3,961	36,100	36,150	0	670	2,038	2,752	0	1,580	3,236	3,951	36,150	36,200	0	662	2,027	2,742	0	1,572	3,226	3,940	36,200	36,250	0	654	2,017	2,731	0	1,564	3,215	3,930	36,250	36,300	0	646	2,006	2,721	0	1,556	3,205	3,919	36,300	36,350	0	638	1,996	2,710	0	1,548	3,194	3,909	36,350	36,400	0	630	1,985	2,700	0	1,540	3,184	3,898	36,400	36,450	0	622	1,975	2,689	0	1,532	3,173	3,888	36,450	36,500	0	614	1,964	2,679	0	1,524	3,162	3,877	36,500	36,550	0	606	1,954	2,668	0	1,516	3,152	3,866	36,550	36,600	0	598	1,943	2,658	0	1,508	3,141	3,856	36,600	36,650	0	590	1,933	2,647	0	1,500	3,131	3,845	36,650	36,700	0	582	1,922	2,637	0	1,492	3,120	3,835	36,700	36,750	0	574	1,912	2,626	0	1,484	3,110	3,824	36,750	36,800	0	566	1,901	2,615	0	1,476	3,099	3,814	36,800	36,850	0	558	1,890	2,605	0	1,468	3,089	3,803	36,850	36,900	0	550	1,880	2,594	0	1,460	3,078	3,793	36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																																																																									
35,300	35,350	0	798	2,206	2,921	0	1,707	3,405	4,119	35,350	35,400	0	790	2,196	2,910	0	1,699	3,394	4,109	35,400	35,450	0	782	2,185	2,900	0	1,691	3,384	4,098	35,450	35,500	0	774	2,175	2,889	0	1,683	3,373	4,088	35,500	35,550	0	766	2,164	2,879	0	1,675	3,363	4,077	35,550	35,600	0	758	2,154	2,868	0	1,667	3,352	4,067	35,600	35,650	0	750	2,143	2,858	0	1,659	3,341	4,056	35,650	35,700	0	742	2,133	2,847	0	1,651	3,331	4,045	35,700	35,750	0	734	2,122	2,837	0	1,643	3,320	4,035	35,750	35,800	0	726	2,112	2,826	0	1,635	3,310	4,024	35,800	35,850	0	718	2,101	2,816	0	1,627	3,299	4,014	35,850	35,900	0	710	2,091	2,805	0	1,620	3,289	4,003	35,900	35,950	0	702	2,080	2,794	0	1,612	3,278	3,993	35,950	36,000	0	694	2,069	2,784	0	1,604	3,268	3,982	36,000	36,050	0	686	2,059	2,773	0	1,596	3,257	3,972	36,050	36,100	0	678	2,048	2,763	0	1,588	3,247	3,961	36,100	36,150	0	670	2,038	2,752	0	1,580	3,236	3,951	36,150	36,200	0	662	2,027	2,742	0	1,572	3,226	3,940	36,200	36,250	0	654	2,017	2,731	0	1,564	3,215	3,930	36,250	36,300	0	646	2,006	2,721	0	1,556	3,205	3,919	36,300	36,350	0	638	1,996	2,710	0	1,548	3,194	3,909	36,350	36,400	0	630	1,985	2,700	0	1,540	3,184	3,898	36,400	36,450	0	622	1,975	2,689	0	1,532	3,173	3,888	36,450	36,500	0	614	1,964	2,679	0	1,524	3,162	3,877	36,500	36,550	0	606	1,954	2,668	0	1,516	3,152	3,866	36,550	36,600	0	598	1,943	2,658	0	1,508	3,141	3,856	36,600	36,650	0	590	1,933	2,647	0	1,500	3,131	3,845	36,650	36,700	0	582	1,922	2,637	0	1,492	3,120	3,835	36,700	36,750	0	574	1,912	2,626	0	1,484	3,110	3,824	36,750	36,800	0	566	1,901	2,615	0	1,476	3,099	3,814	36,800	36,850	0	558	1,890	2,605	0	1,468	3,089	3,803	36,850	36,900	0	550	1,880	2,594	0	1,460	3,078	3,793	36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																																																																																			
35,350	35,400	0	790	2,196	2,910	0	1,699	3,394	4,109																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
35,400	35,450	0	782	2,185	2,900	0	1,691	3,384	4,098	35,450	35,500	0	774	2,175	2,889	0	1,683	3,373	4,088	35,500	35,550	0	766	2,164	2,879	0	1,675	3,363	4,077	35,550	35,600	0	758	2,154	2,868	0	1,667	3,352	4,067	35,600	35,650	0	750	2,143	2,858	0	1,659	3,341	4,056	35,650	35,700	0	742	2,133	2,847	0	1,651	3,331	4,045	35,700	35,750	0	734	2,122	2,837	0	1,643	3,320	4,035	35,750	35,800	0	726	2,112	2,826	0	1,635	3,310	4,024	35,800	35,850	0	718	2,101	2,816	0	1,627	3,299	4,014	35,850	35,900	0	710	2,091	2,805	0	1,620	3,289	4,003	35,900	35,950	0	702	2,080	2,794	0	1,612	3,278	3,993	35,950	36,000	0	694	2,069	2,784	0	1,604	3,268	3,982	36,000	36,050	0	686	2,059	2,773	0	1,596	3,257	3,972	36,050	36,100	0	678	2,048	2,763	0	1,588	3,247	3,961	36,100	36,150	0	670	2,038	2,752	0	1,580	3,236	3,951	36,150	36,200	0	662	2,027	2,742	0	1,572	3,226	3,940	36,200	36,250	0	654	2,017	2,731	0	1,564	3,215	3,930	36,250	36,300	0	646	2,006	2,721	0	1,556	3,205	3,919	36,300	36,350	0	638	1,996	2,710	0	1,548	3,194	3,909	36,350	36,400	0	630	1,985	2,700	0	1,540	3,184	3,898	36,400	36,450	0	622	1,975	2,689	0	1,532	3,173	3,888	36,450	36,500	0	614	1,964	2,679	0	1,524	3,162	3,877	36,500	36,550	0	606	1,954	2,668	0	1,516	3,152	3,866	36,550	36,600	0	598	1,943	2,658	0	1,508	3,141	3,856	36,600	36,650	0	590	1,933	2,647	0	1,500	3,131	3,845	36,650	36,700	0	582	1,922	2,637	0	1,492	3,120	3,835	36,700	36,750	0	574	1,912	2,626	0	1,484	3,110	3,824	36,750	36,800	0	566	1,901	2,615	0	1,476	3,099	3,814	36,800	36,850	0	558	1,890	2,605	0	1,468	3,089	3,803	36,850	36,900	0	550	1,880	2,594	0	1,460	3,078	3,793	36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																																																																																																							
35,450	35,500	0	774	2,175	2,889	0	1,683	3,373	4,088	35,500	35,550	0	766	2,164	2,879	0	1,675	3,363	4,077	35,550	35,600	0	758	2,154	2,868	0	1,667	3,352	4,067	35,600	35,650	0	750	2,143	2,858	0	1,659	3,341	4,056	35,650	35,700	0	742	2,133	2,847	0	1,651	3,331	4,045	35,700	35,750	0	734	2,122	2,837	0	1,643	3,320	4,035	35,750	35,800	0	726	2,112	2,826	0	1,635	3,310	4,024	35,800	35,850	0	718	2,101	2,816	0	1,627	3,299	4,014	35,850	35,900	0	710	2,091	2,805	0	1,620	3,289	4,003	35,900	35,950	0	702	2,080	2,794	0	1,612	3,278	3,993	35,950	36,000	0	694	2,069	2,784	0	1,604	3,268	3,982	36,000	36,050	0	686	2,059	2,773	0	1,596	3,257	3,972	36,050	36,100	0	678	2,048	2,763	0	1,588	3,247	3,961	36,100	36,150	0	670	2,038	2,752	0	1,580	3,236	3,951	36,150	36,200	0	662	2,027	2,742	0	1,572	3,226	3,940	36,200	36,250	0	654	2,017	2,731	0	1,564	3,215	3,930	36,250	36,300	0	646	2,006	2,721	0	1,556	3,205	3,919	36,300	36,350	0	638	1,996	2,710	0	1,548	3,194	3,909	36,350	36,400	0	630	1,985	2,700	0	1,540	3,184	3,898	36,400	36,450	0	622	1,975	2,689	0	1,532	3,173	3,888	36,450	36,500	0	614	1,964	2,679	0	1,524	3,162	3,877	36,500	36,550	0	606	1,954	2,668	0	1,516	3,152	3,866	36,550	36,600	0	598	1,943	2,658	0	1,508	3,141	3,856	36,600	36,650	0	590	1,933	2,647	0	1,500	3,131	3,845	36,650	36,700	0	582	1,922	2,637	0	1,492	3,120	3,835	36,700	36,750	0	574	1,912	2,626	0	1,484	3,110	3,824	36,750	36,800	0	566	1,901	2,615	0	1,476	3,099	3,814	36,800	36,850	0	558	1,890	2,605	0	1,468	3,089	3,803	36,850	36,900	0	550	1,880	2,594	0	1,460	3,078	3,793	36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																																																																																																																	
35,500	35,550	0	766	2,164	2,879	0	1,675	3,363	4,077	35,550	35,600	0	758	2,154	2,868	0	1,667	3,352	4,067	35,600	35,650	0	750	2,143	2,858	0	1,659	3,341	4,056	35,650	35,700	0	742	2,133	2,847	0	1,651	3,331	4,045	35,700	35,750	0	734	2,122	2,837	0	1,643	3,320	4,035	35,750	35,800	0	726	2,112	2,826	0	1,635	3,310	4,024	35,800	35,850	0	718	2,101	2,816	0	1,627	3,299	4,014	35,850	35,900	0	710	2,091	2,805	0	1,620	3,289	4,003	35,900	35,950	0	702	2,080	2,794	0	1,612	3,278	3,993	35,950	36,000	0	694	2,069	2,784	0	1,604	3,268	3,982	36,000	36,050	0	686	2,059	2,773	0	1,596	3,257	3,972	36,050	36,100	0	678	2,048	2,763	0	1,588	3,247	3,961	36,100	36,150	0	670	2,038	2,752	0	1,580	3,236	3,951	36,150	36,200	0	662	2,027	2,742	0	1,572	3,226	3,940	36,200	36,250	0	654	2,017	2,731	0	1,564	3,215	3,930	36,250	36,300	0	646	2,006	2,721	0	1,556	3,205	3,919	36,300	36,350	0	638	1,996	2,710	0	1,548	3,194	3,909	36,350	36,400	0	630	1,985	2,700	0	1,540	3,184	3,898	36,400	36,450	0	622	1,975	2,689	0	1,532	3,173	3,888	36,450	36,500	0	614	1,964	2,679	0	1,524	3,162	3,877	36,500	36,550	0	606	1,954	2,668	0	1,516	3,152	3,866	36,550	36,600	0	598	1,943	2,658	0	1,508	3,141	3,856	36,600	36,650	0	590	1,933	2,647	0	1,500	3,131	3,845	36,650	36,700	0	582	1,922	2,637	0	1,492	3,120	3,835	36,700	36,750	0	574	1,912	2,626	0	1,484	3,110	3,824	36,750	36,800	0	566	1,901	2,615	0	1,476	3,099	3,814	36,800	36,850	0	558	1,890	2,605	0	1,468	3,089	3,803	36,850	36,900	0	550	1,880	2,594	0	1,460	3,078	3,793	36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																																																																																																																											
35,550	35,600	0	758	2,154	2,868	0	1,667	3,352	4,067																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
35,600	35,650	0	750	2,143	2,858	0	1,659	3,341	4,056	35,650	35,700	0	742	2,133	2,847	0	1,651	3,331	4,045	35,700	35,750	0	734	2,122	2,837	0	1,643	3,320	4,035	35,750	35,800	0	726	2,112	2,826	0	1,635	3,310	4,024	35,800	35,850	0	718	2,101	2,816	0	1,627	3,299	4,014	35,850	35,900	0	710	2,091	2,805	0	1,620	3,289	4,003	35,900	35,950	0	702	2,080	2,794	0	1,612	3,278	3,993	35,950	36,000	0	694	2,069	2,784	0	1,604	3,268	3,982	36,000	36,050	0	686	2,059	2,773	0	1,596	3,257	3,972	36,050	36,100	0	678	2,048	2,763	0	1,588	3,247	3,961	36,100	36,150	0	670	2,038	2,752	0	1,580	3,236	3,951	36,150	36,200	0	662	2,027	2,742	0	1,572	3,226	3,940	36,200	36,250	0	654	2,017	2,731	0	1,564	3,215	3,930	36,250	36,300	0	646	2,006	2,721	0	1,556	3,205	3,919	36,300	36,350	0	638	1,996	2,710	0	1,548	3,194	3,909	36,350	36,400	0	630	1,985	2,700	0	1,540	3,184	3,898	36,400	36,450	0	622	1,975	2,689	0	1,532	3,173	3,888	36,450	36,500	0	614	1,964	2,679	0	1,524	3,162	3,877	36,500	36,550	0	606	1,954	2,668	0	1,516	3,152	3,866	36,550	36,600	0	598	1,943	2,658	0	1,508	3,141	3,856	36,600	36,650	0	590	1,933	2,647	0	1,500	3,131	3,845	36,650	36,700	0	582	1,922	2,637	0	1,492	3,120	3,835	36,700	36,750	0	574	1,912	2,626	0	1,484	3,110	3,824	36,750	36,800	0	566	1,901	2,615	0	1,476	3,099	3,814	36,800	36,850	0	558	1,890	2,605	0	1,468	3,089	3,803	36,850	36,900	0	550	1,880	2,594	0	1,460	3,078	3,793	36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																																																																																																																																															
35,650	35,700	0	742	2,133	2,847	0	1,651	3,331	4,045	35,700	35,750	0	734	2,122	2,837	0	1,643	3,320	4,035	35,750	35,800	0	726	2,112	2,826	0	1,635	3,310	4,024	35,800	35,850	0	718	2,101	2,816	0	1,627	3,299	4,014	35,850	35,900	0	710	2,091	2,805	0	1,620	3,289	4,003	35,900	35,950	0	702	2,080	2,794	0	1,612	3,278	3,993	35,950	36,000	0	694	2,069	2,784	0	1,604	3,268	3,982	36,000	36,050	0	686	2,059	2,773	0	1,596	3,257	3,972	36,050	36,100	0	678	2,048	2,763	0	1,588	3,247	3,961	36,100	36,150	0	670	2,038	2,752	0	1,580	3,236	3,951	36,150	36,200	0	662	2,027	2,742	0	1,572	3,226	3,940	36,200	36,250	0	654	2,017	2,731	0	1,564	3,215	3,930	36,250	36,300	0	646	2,006	2,721	0	1,556	3,205	3,919	36,300	36,350	0	638	1,996	2,710	0	1,548	3,194	3,909	36,350	36,400	0	630	1,985	2,700	0	1,540	3,184	3,898	36,400	36,450	0	622	1,975	2,689	0	1,532	3,173	3,888	36,450	36,500	0	614	1,964	2,679	0	1,524	3,162	3,877	36,500	36,550	0	606	1,954	2,668	0	1,516	3,152	3,866	36,550	36,600	0	598	1,943	2,658	0	1,508	3,141	3,856	36,600	36,650	0	590	1,933	2,647	0	1,500	3,131	3,845	36,650	36,700	0	582	1,922	2,637	0	1,492	3,120	3,835	36,700	36,750	0	574	1,912	2,626	0	1,484	3,110	3,824	36,750	36,800	0	566	1,901	2,615	0	1,476	3,099	3,814	36,800	36,850	0	558	1,890	2,605	0	1,468	3,089	3,803	36,850	36,900	0	550	1,880	2,594	0	1,460	3,078	3,793	36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																																																																																																																																																									
35,700	35,750	0	734	2,122	2,837	0	1,643	3,320	4,035	35,750	35,800	0	726	2,112	2,826	0	1,635	3,310	4,024	35,800	35,850	0	718	2,101	2,816	0	1,627	3,299	4,014	35,850	35,900	0	710	2,091	2,805	0	1,620	3,289	4,003	35,900	35,950	0	702	2,080	2,794	0	1,612	3,278	3,993	35,950	36,000	0	694	2,069	2,784	0	1,604	3,268	3,982	36,000	36,050	0	686	2,059	2,773	0	1,596	3,257	3,972	36,050	36,100	0	678	2,048	2,763	0	1,588	3,247	3,961	36,100	36,150	0	670	2,038	2,752	0	1,580	3,236	3,951	36,150	36,200	0	662	2,027	2,742	0	1,572	3,226	3,940	36,200	36,250	0	654	2,017	2,731	0	1,564	3,215	3,930	36,250	36,300	0	646	2,006	2,721	0	1,556	3,205	3,919	36,300	36,350	0	638	1,996	2,710	0	1,548	3,194	3,909	36,350	36,400	0	630	1,985	2,700	0	1,540	3,184	3,898	36,400	36,450	0	622	1,975	2,689	0	1,532	3,173	3,888	36,450	36,500	0	614	1,964	2,679	0	1,524	3,162	3,877	36,500	36,550	0	606	1,954	2,668	0	1,516	3,152	3,866	36,550	36,600	0	598	1,943	2,658	0	1,508	3,141	3,856	36,600	36,650	0	590	1,933	2,647	0	1,500	3,131	3,845	36,650	36,700	0	582	1,922	2,637	0	1,492	3,120	3,835	36,700	36,750	0	574	1,912	2,626	0	1,484	3,110	3,824	36,750	36,800	0	566	1,901	2,615	0	1,476	3,099	3,814	36,800	36,850	0	558	1,890	2,605	0	1,468	3,089	3,803	36,850	36,900	0	550	1,880	2,594	0	1,460	3,078	3,793	36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																																																																																																																																																																			
35,750	35,800	0	726	2,112	2,826	0	1,635	3,310	4,024																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
35,800	35,850	0	718	2,101	2,816	0	1,627	3,299	4,014	35,850	35,900	0	710	2,091	2,805	0	1,620	3,289	4,003	35,900	35,950	0	702	2,080	2,794	0	1,612	3,278	3,993	35,950	36,000	0	694	2,069	2,784	0	1,604	3,268	3,982	36,000	36,050	0	686	2,059	2,773	0	1,596	3,257	3,972	36,050	36,100	0	678	2,048	2,763	0	1,588	3,247	3,961	36,100	36,150	0	670	2,038	2,752	0	1,580	3,236	3,951	36,150	36,200	0	662	2,027	2,742	0	1,572	3,226	3,940	36,200	36,250	0	654	2,017	2,731	0	1,564	3,215	3,930	36,250	36,300	0	646	2,006	2,721	0	1,556	3,205	3,919	36,300	36,350	0	638	1,996	2,710	0	1,548	3,194	3,909	36,350	36,400	0	630	1,985	2,700	0	1,540	3,184	3,898	36,400	36,450	0	622	1,975	2,689	0	1,532	3,173	3,888	36,450	36,500	0	614	1,964	2,679	0	1,524	3,162	3,877	36,500	36,550	0	606	1,954	2,668	0	1,516	3,152	3,866	36,550	36,600	0	598	1,943	2,658	0	1,508	3,141	3,856	36,600	36,650	0	590	1,933	2,647	0	1,500	3,131	3,845	36,650	36,700	0	582	1,922	2,637	0	1,492	3,120	3,835	36,700	36,750	0	574	1,912	2,626	0	1,484	3,110	3,824	36,750	36,800	0	566	1,901	2,615	0	1,476	3,099	3,814	36,800	36,850	0	558	1,890	2,605	0	1,468	3,089	3,803	36,850	36,900	0	550	1,880	2,594	0	1,460	3,078	3,793	36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																																																																																																																																																																																							
35,850	35,900	0	710	2,091	2,805	0	1,620	3,289	4,003	35,900	35,950	0	702	2,080	2,794	0	1,612	3,278	3,993	35,950	36,000	0	694	2,069	2,784	0	1,604	3,268	3,982	36,000	36,050	0	686	2,059	2,773	0	1,596	3,257	3,972	36,050	36,100	0	678	2,048	2,763	0	1,588	3,247	3,961	36,100	36,150	0	670	2,038	2,752	0	1,580	3,236	3,951	36,150	36,200	0	662	2,027	2,742	0	1,572	3,226	3,940	36,200	36,250	0	654	2,017	2,731	0	1,564	3,215	3,930	36,250	36,300	0	646	2,006	2,721	0	1,556	3,205	3,919	36,300	36,350	0	638	1,996	2,710	0	1,548	3,194	3,909	36,350	36,400	0	630	1,985	2,700	0	1,540	3,184	3,898	36,400	36,450	0	622	1,975	2,689	0	1,532	3,173	3,888	36,450	36,500	0	614	1,964	2,679	0	1,524	3,162	3,877	36,500	36,550	0	606	1,954	2,668	0	1,516	3,152	3,866	36,550	36,600	0	598	1,943	2,658	0	1,508	3,141	3,856	36,600	36,650	0	590	1,933	2,647	0	1,500	3,131	3,845	36,650	36,700	0	582	1,922	2,637	0	1,492	3,120	3,835	36,700	36,750	0	574	1,912	2,626	0	1,484	3,110	3,824	36,750	36,800	0	566	1,901	2,615	0	1,476	3,099	3,814	36,800	36,850	0	558	1,890	2,605	0	1,468	3,089	3,803	36,850	36,900	0	550	1,880	2,594	0	1,460	3,078	3,793	36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																																																																																																																																																																																																	
35,900	35,950	0	702	2,080	2,794	0	1,612	3,278	3,993	35,950	36,000	0	694	2,069	2,784	0	1,604	3,268	3,982	36,000	36,050	0	686	2,059	2,773	0	1,596	3,257	3,972	36,050	36,100	0	678	2,048	2,763	0	1,588	3,247	3,961	36,100	36,150	0	670	2,038	2,752	0	1,580	3,236	3,951	36,150	36,200	0	662	2,027	2,742	0	1,572	3,226	3,940	36,200	36,250	0	654	2,017	2,731	0	1,564	3,215	3,930	36,250	36,300	0	646	2,006	2,721	0	1,556	3,205	3,919	36,300	36,350	0	638	1,996	2,710	0	1,548	3,194	3,909	36,350	36,400	0	630	1,985	2,700	0	1,540	3,184	3,898	36,400	36,450	0	622	1,975	2,689	0	1,532	3,173	3,888	36,450	36,500	0	614	1,964	2,679	0	1,524	3,162	3,877	36,500	36,550	0	606	1,954	2,668	0	1,516	3,152	3,866	36,550	36,600	0	598	1,943	2,658	0	1,508	3,141	3,856	36,600	36,650	0	590	1,933	2,647	0	1,500	3,131	3,845	36,650	36,700	0	582	1,922	2,637	0	1,492	3,120	3,835	36,700	36,750	0	574	1,912	2,626	0	1,484	3,110	3,824	36,750	36,800	0	566	1,901	2,615	0	1,476	3,099	3,814	36,800	36,850	0	558	1,890	2,605	0	1,468	3,089	3,803	36,850	36,900	0	550	1,880	2,594	0	1,460	3,078	3,793	36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																																																																																																																																																																																																											
35,950	36,000	0	694	2,069	2,784	0	1,604	3,268	3,982																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
36,000	36,050	0	686	2,059	2,773	0	1,596	3,257	3,972	36,050	36,100	0	678	2,048	2,763	0	1,588	3,247	3,961	36,100	36,150	0	670	2,038	2,752	0	1,580	3,236	3,951	36,150	36,200	0	662	2,027	2,742	0	1,572	3,226	3,940	36,200	36,250	0	654	2,017	2,731	0	1,564	3,215	3,930	36,250	36,300	0	646	2,006	2,721	0	1,556	3,205	3,919	36,300	36,350	0	638	1,996	2,710	0	1,548	3,194	3,909	36,350	36,400	0	630	1,985	2,700	0	1,540	3,184	3,898	36,400	36,450	0	622	1,975	2,689	0	1,532	3,173	3,888	36,450	36,500	0	614	1,964	2,679	0	1,524	3,162	3,877	36,500	36,550	0	606	1,954	2,668	0	1,516	3,152	3,866	36,550	36,600	0	598	1,943	2,658	0	1,508	3,141	3,856	36,600	36,650	0	590	1,933	2,647	0	1,500	3,131	3,845	36,650	36,700	0	582	1,922	2,637	0	1,492	3,120	3,835	36,700	36,750	0	574	1,912	2,626	0	1,484	3,110	3,824	36,750	36,800	0	566	1,901	2,615	0	1,476	3,099	3,814	36,800	36,850	0	558	1,890	2,605	0	1,468	3,089	3,803	36,850	36,900	0	550	1,880	2,594	0	1,460	3,078	3,793	36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																																																																																																																																																																																																																															
36,050	36,100	0	678	2,048	2,763	0	1,588	3,247	3,961	36,100	36,150	0	670	2,038	2,752	0	1,580	3,236	3,951	36,150	36,200	0	662	2,027	2,742	0	1,572	3,226	3,940	36,200	36,250	0	654	2,017	2,731	0	1,564	3,215	3,930	36,250	36,300	0	646	2,006	2,721	0	1,556	3,205	3,919	36,300	36,350	0	638	1,996	2,710	0	1,548	3,194	3,909	36,350	36,400	0	630	1,985	2,700	0	1,540	3,184	3,898	36,400	36,450	0	622	1,975	2,689	0	1,532	3,173	3,888	36,450	36,500	0	614	1,964	2,679	0	1,524	3,162	3,877	36,500	36,550	0	606	1,954	2,668	0	1,516	3,152	3,866	36,550	36,600	0	598	1,943	2,658	0	1,508	3,141	3,856	36,600	36,650	0	590	1,933	2,647	0	1,500	3,131	3,845	36,650	36,700	0	582	1,922	2,637	0	1,492	3,120	3,835	36,700	36,750	0	574	1,912	2,626	0	1,484	3,110	3,824	36,750	36,800	0	566	1,901	2,615	0	1,476	3,099	3,814	36,800	36,850	0	558	1,890	2,605	0	1,468	3,089	3,803	36,850	36,900	0	550	1,880	2,594	0	1,460	3,078	3,793	36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																																																																																																																																																																																																																																									
36,100	36,150	0	670	2,038	2,752	0	1,580	3,236	3,951	36,150	36,200	0	662	2,027	2,742	0	1,572	3,226	3,940	36,200	36,250	0	654	2,017	2,731	0	1,564	3,215	3,930	36,250	36,300	0	646	2,006	2,721	0	1,556	3,205	3,919	36,300	36,350	0	638	1,996	2,710	0	1,548	3,194	3,909	36,350	36,400	0	630	1,985	2,700	0	1,540	3,184	3,898	36,400	36,450	0	622	1,975	2,689	0	1,532	3,173	3,888	36,450	36,500	0	614	1,964	2,679	0	1,524	3,162	3,877	36,500	36,550	0	606	1,954	2,668	0	1,516	3,152	3,866	36,550	36,600	0	598	1,943	2,658	0	1,508	3,141	3,856	36,600	36,650	0	590	1,933	2,647	0	1,500	3,131	3,845	36,650	36,700	0	582	1,922	2,637	0	1,492	3,120	3,835	36,700	36,750	0	574	1,912	2,626	0	1,484	3,110	3,824	36,750	36,800	0	566	1,901	2,615	0	1,476	3,099	3,814	36,800	36,850	0	558	1,890	2,605	0	1,468	3,089	3,803	36,850	36,900	0	550	1,880	2,594	0	1,460	3,078	3,793	36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																																																																																																																																																																																																																																																			
36,150	36,200	0	662	2,027	2,742	0	1,572	3,226	3,940																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
36,200	36,250	0	654	2,017	2,731	0	1,564	3,215	3,930	36,250	36,300	0	646	2,006	2,721	0	1,556	3,205	3,919	36,300	36,350	0	638	1,996	2,710	0	1,548	3,194	3,909	36,350	36,400	0	630	1,985	2,700	0	1,540	3,184	3,898	36,400	36,450	0	622	1,975	2,689	0	1,532	3,173	3,888	36,450	36,500	0	614	1,964	2,679	0	1,524	3,162	3,877	36,500	36,550	0	606	1,954	2,668	0	1,516	3,152	3,866	36,550	36,600	0	598	1,943	2,658	0	1,508	3,141	3,856	36,600	36,650	0	590	1,933	2,647	0	1,500	3,131	3,845	36,650	36,700	0	582	1,922	2,637	0	1,492	3,120	3,835	36,700	36,750	0	574	1,912	2,626	0	1,484	3,110	3,824	36,750	36,800	0	566	1,901	2,615	0	1,476	3,099	3,814	36,800	36,850	0	558	1,890	2,605	0	1,468	3,089	3,803	36,850	36,900	0	550	1,880	2,594	0	1,460	3,078	3,793	36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																																																																																																																																																																																																																																																																							
36,250	36,300	0	646	2,006	2,721	0	1,556	3,205	3,919	36,300	36,350	0	638	1,996	2,710	0	1,548	3,194	3,909	36,350	36,400	0	630	1,985	2,700	0	1,540	3,184	3,898	36,400	36,450	0	622	1,975	2,689	0	1,532	3,173	3,888	36,450	36,500	0	614	1,964	2,679	0	1,524	3,162	3,877	36,500	36,550	0	606	1,954	2,668	0	1,516	3,152	3,866	36,550	36,600	0	598	1,943	2,658	0	1,508	3,141	3,856	36,600	36,650	0	590	1,933	2,647	0	1,500	3,131	3,845	36,650	36,700	0	582	1,922	2,637	0	1,492	3,120	3,835	36,700	36,750	0	574	1,912	2,626	0	1,484	3,110	3,824	36,750	36,800	0	566	1,901	2,615	0	1,476	3,099	3,814	36,800	36,850	0	558	1,890	2,605	0	1,468	3,089	3,803	36,850	36,900	0	550	1,880	2,594	0	1,460	3,078	3,793	36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																																																																																																																																																																																																																																																																																	
36,300	36,350	0	638	1,996	2,710	0	1,548	3,194	3,909	36,350	36,400	0	630	1,985	2,700	0	1,540	3,184	3,898	36,400	36,450	0	622	1,975	2,689	0	1,532	3,173	3,888	36,450	36,500	0	614	1,964	2,679	0	1,524	3,162	3,877	36,500	36,550	0	606	1,954	2,668	0	1,516	3,152	3,866	36,550	36,600	0	598	1,943	2,658	0	1,508	3,141	3,856	36,600	36,650	0	590	1,933	2,647	0	1,500	3,131	3,845	36,650	36,700	0	582	1,922	2,637	0	1,492	3,120	3,835	36,700	36,750	0	574	1,912	2,626	0	1,484	3,110	3,824	36,750	36,800	0	566	1,901	2,615	0	1,476	3,099	3,814	36,800	36,850	0	558	1,890	2,605	0	1,468	3,089	3,803	36,850	36,900	0	550	1,880	2,594	0	1,460	3,078	3,793	36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																																																																																																																																																																																																																																																																																											
36,350	36,400	0	630	1,985	2,700	0	1,540	3,184	3,898																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
36,400	36,450	0	622	1,975	2,689	0	1,532	3,173	3,888	36,450	36,500	0	614	1,964	2,679	0	1,524	3,162	3,877	36,500	36,550	0	606	1,954	2,668	0	1,516	3,152	3,866	36,550	36,600	0	598	1,943	2,658	0	1,508	3,141	3,856	36,600	36,650	0	590	1,933	2,647	0	1,500	3,131	3,845	36,650	36,700	0	582	1,922	2,637	0	1,492	3,120	3,835	36,700	36,750	0	574	1,912	2,626	0	1,484	3,110	3,824	36,750	36,800	0	566	1,901	2,615	0	1,476	3,099	3,814	36,800	36,850	0	558	1,890	2,605	0	1,468	3,089	3,803	36,850	36,900	0	550	1,880	2,594	0	1,460	3,078	3,793	36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																																																																																																																																																																																																																																																																																																															
36,450	36,500	0	614	1,964	2,679	0	1,524	3,162	3,877	36,500	36,550	0	606	1,954	2,668	0	1,516	3,152	3,866	36,550	36,600	0	598	1,943	2,658	0	1,508	3,141	3,856	36,600	36,650	0	590	1,933	2,647	0	1,500	3,131	3,845	36,650	36,700	0	582	1,922	2,637	0	1,492	3,120	3,835	36,700	36,750	0	574	1,912	2,626	0	1,484	3,110	3,824	36,750	36,800	0	566	1,901	2,615	0	1,476	3,099	3,814	36,800	36,850	0	558	1,890	2,605	0	1,468	3,089	3,803	36,850	36,900	0	550	1,880	2,594	0	1,460	3,078	3,793	36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
36,500	36,550	0	606	1,954	2,668	0	1,516	3,152	3,866	36,550	36,600	0	598	1,943	2,658	0	1,508	3,141	3,856	36,600	36,650	0	590	1,933	2,647	0	1,500	3,131	3,845	36,650	36,700	0	582	1,922	2,637	0	1,492	3,120	3,835	36,700	36,750	0	574	1,912	2,626	0	1,484	3,110	3,824	36,750	36,800	0	566	1,901	2,615	0	1,476	3,099	3,814	36,800	36,850	0	558	1,890	2,605	0	1,468	3,089	3,803	36,850	36,900	0	550	1,880	2,594	0	1,460	3,078	3,793	36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
36,550	36,600	0	598	1,943	2,658	0	1,508	3,141	3,856																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
36,600	36,650	0	590	1,933	2,647	0	1,500	3,131	3,845	36,650	36,700	0	582	1,922	2,637	0	1,492	3,120	3,835	36,700	36,750	0	574	1,912	2,626	0	1,484	3,110	3,824	36,750	36,800	0	566	1,901	2,615	0	1,476	3,099	3,814	36,800	36,850	0	558	1,890	2,605	0	1,468	3,089	3,803	36,850	36,900	0	550	1,880	2,594	0	1,460	3,078	3,793	36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
36,650	36,700	0	582	1,922	2,637	0	1,492	3,120	3,835	36,700	36,750	0	574	1,912	2,626	0	1,484	3,110	3,824	36,750	36,800	0	566	1,901	2,615	0	1,476	3,099	3,814	36,800	36,850	0	558	1,890	2,605	0	1,468	3,089	3,803	36,850	36,900	0	550	1,880	2,594	0	1,460	3,078	3,793	36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
36,700	36,750	0	574	1,912	2,626	0	1,484	3,110	3,824	36,750	36,800	0	566	1,901	2,615	0	1,476	3,099	3,814	36,800	36,850	0	558	1,890	2,605	0	1,468	3,089	3,803	36,850	36,900	0	550	1,880	2,594	0	1,460	3,078	3,793	36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
36,750	36,800	0	566	1,901	2,615	0	1,476	3,099	3,814																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
36,800	36,850	0	558	1,890	2,605	0	1,468	3,089	3,803	36,850	36,900	0	550	1,880	2,594	0	1,460	3,078	3,793	36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
36,850	36,900	0	550	1,880	2,594	0	1,460	3,078	3,793	36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
36,900	36,950	0	542	1,869	2,584	0	1,452	3,068	3,782	36,950	37,000	0	534	1,859	2,573	0	1,444	3,057	3,772	37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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37,000	37,050	0	526	1,848	2,563	0	1,436	3,047	3,761	37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
37,050	37,100	0	518	1,838	2,552	0	1,428	3,036	3,751	37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
37,100	37,150	0	510	1,827	2,542	0	1,420	3,026	3,740	37,150	37,200	0	503	1,817	2,531	0	1,412	3,015	3,730	37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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37,200	37,250	0	495	1,806	2,521	0	1,404	3,005	3,719	37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
37,250	37,300	0	487	1,796	2,510	0	1,396	2,994	3,708	37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
37,300	37,350	0	479	1,785	2,500	0	1,388	2,983	3,698	37,350	37,400	0	471	1,775	2,489	0	1,380	2,973	3,687	37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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37,400	37,450	0	463	1,764	2,479	0	1,372	2,962	3,677	37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
37,450	37,500	0	455	1,754	2,468	0	1,364	2,952	3,666	37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
37,500	37,550	0	447	1,743	2,458	0	1,356	2,941	3,656	37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
37,550	37,600	0	439	1,733	2,447	0	1,348	2,931	3,645																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
31,300	31,350	0	1,437	3,049	3,763	0	2,347	4,247	4,962	31,350	31,400	0	1,429	3,038	3,753	0	2,339	4,237	4,951	31,400	31,450	0	1,421	3,028	3,742	0	2,331	4,226	4,941	31,450	31,500	0	1,413	3,017	3,732	0	2,323	4,215	4,930	31,500	31,550	0	1,405	3,007	3,721	0	2,315	4,205	4,919	31,550	31,600	0	1,397	2,996	3,711	0	2,307	4,194	4,909	31,600	31,650	0	1,389	2,986	3,700	0	2,299	4,184	4,898	31,650	31,700	0	1,381	2,975	3,690	0	2,291	4,173	4,888	31,700	31,750	0	1,373	2,965	3,679	0	2,283	4,163	4,877	31,750	31,800	0	1,365	2,954	3,668	0	2,275	4,152	4,867	31,800	31,850	0	1,357	2,943	3,658	0	2,267	4,142	4,856	31,850	31,900	0	1,349	2,933	3,647	0	2,259	4,131	4,846	31,900	31,950	0	1,341	2,922	3,637	0	2,251	4,121	4,835	31,950	32,000	0	1,333	2,912	3,626	0	2,243	4,110	4,825	32,000	32,050	0	1,325	2,901	3,616	0	2,235	4,100	4,814	32,050	32,100	0	1,317	2,891	3,605	0	2,227	4,089	4,804	32,100	32,150	0	1,309	2,880	3,595	0	2,219	4,079	4,793	32,150	32,200	0	1,302	2,870	3,584	0	2,211	4,068	4,783	32,200	32,250	0	1,294	2,859	3,574	0	2,203	4,058	4,772	32,250	32,300	0	1,286	2,849	3,563	0	2,195	4,047	4,761	32,300	32,350	0	1,278	2,838	3,553	0	2,187	4,036	4,751	32,350	32,400	0	1,270	2,828	3,542	0	2,179	4,026	4,740	32,400	32,450	0	1,262	2,817	3,532	0	2,171	4,015	4,730	32,450	32,500	0	1,254	2,807	3,521	0	2,163	4,005	4,719	32,500	32,550	0	1,246	2,796	3,511	0	2,155	3,994	4,709	32,550	32,600	0	1,238	2,786	3,500	0	2,147	3,984	4,698	32,600	32,650	0	1,230	2,775	3,489	0	2,139	3,973	4,688	32,650	32,700	0	1,222	2,764	3,479	0	2,131	3,963	4,677	32,700	32,750	0	1,214	2,754	3,468	0	2,123	3,952	4,667	32,750	32,800	0	1,206	2,743	3,458	0	2,115	3,942	4,656	32,800	32,850	0	1,198	2,733	3,447	0	2,107	3,931	4,646	32,850	32,900	0	1,190	2,722	3,437	0	2,099	3,921	4,635	32,900	32,950	0	1,182	2,712	3,426	0	2,091	3,910	4,625	32,950	33,000	0	1,174	2,701	3,416	0	2,083	3,900	4,614	33,000	33,050	0	1,166	2,691	3,405	0	2,075	3,889	4,604	33,050	33,100	0	1,158	2,680	3,395	0	2,067	3,879	4,593	33,100	33,150	0	1,150	2,670	3,384	0	2,059	3,868	4,582	33,150	33,200	0	1,142	2,659	3,374	0	2,051	3,857	4,572	33,200	33,250	0	1,134	2,649	3,363	0	2,043	3,847	4,561	33,250	33,300	0	1,126	2,638	3,353	0	2,035	3,836	4,551	33,300	33,350	0	1,118	2,628	3,342	0	2,027	3,826	4,540	33,350	33,400	0	1,110	2,617	3,332	0	2,019	3,815	4,530	33,400	33,450	0	1,102	2,606	3,321	0	2,011	3,805	4,519	33,450	33,500	0	1,094	2,596	3,310	0	2,003	3,794	4,509	33,500	33,550	0	1,086	2,585	3,300	0	1,995	3,784	4,498	33,550	33,600	0	1,078	2,575	3,289	0	1,987	3,773	4,488	33,600	33,650	0	1,070	2,564	3,279	0	1,979	3,763	4,477	33,650	33,700	0	1,062	2,554	3,268	0	1,971	3,752	4,467	33,700	33,750	0	1,054	2,543	3,258	0	1,963	3,742	4,456	33,750	33,800	0	1,046	2,533	3,247	0	1,955	3,731	4,446	33,800	33,850	0	1,038	2,522	3,237	0	1,947	3,721	4,435	33,850	33,900	0	1,030	2,512	3,226	0	1,939	3,710	4,425	33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																							
31,350	31,400	0	1,429	3,038	3,753	0	2,339	4,237	4,951																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
31,400	31,450	0	1,421	3,028	3,742	0	2,331	4,226	4,941	31,450	31,500	0	1,413	3,017	3,732	0	2,323	4,215	4,930	31,500	31,550	0	1,405	3,007	3,721	0	2,315	4,205	4,919	31,550	31,600	0	1,397	2,996	3,711	0	2,307	4,194	4,909	31,600	31,650	0	1,389	2,986	3,700	0	2,299	4,184	4,898	31,650	31,700	0	1,381	2,975	3,690	0	2,291	4,173	4,888	31,700	31,750	0	1,373	2,965	3,679	0	2,283	4,163	4,877	31,750	31,800	0	1,365	2,954	3,668	0	2,275	4,152	4,867	31,800	31,850	0	1,357	2,943	3,658	0	2,267	4,142	4,856	31,850	31,900	0	1,349	2,933	3,647	0	2,259	4,131	4,846	31,900	31,950	0	1,341	2,922	3,637	0	2,251	4,121	4,835	31,950	32,000	0	1,333	2,912	3,626	0	2,243	4,110	4,825	32,000	32,050	0	1,325	2,901	3,616	0	2,235	4,100	4,814	32,050	32,100	0	1,317	2,891	3,605	0	2,227	4,089	4,804	32,100	32,150	0	1,309	2,880	3,595	0	2,219	4,079	4,793	32,150	32,200	0	1,302	2,870	3,584	0	2,211	4,068	4,783	32,200	32,250	0	1,294	2,859	3,574	0	2,203	4,058	4,772	32,250	32,300	0	1,286	2,849	3,563	0	2,195	4,047	4,761	32,300	32,350	0	1,278	2,838	3,553	0	2,187	4,036	4,751	32,350	32,400	0	1,270	2,828	3,542	0	2,179	4,026	4,740	32,400	32,450	0	1,262	2,817	3,532	0	2,171	4,015	4,730	32,450	32,500	0	1,254	2,807	3,521	0	2,163	4,005	4,719	32,500	32,550	0	1,246	2,796	3,511	0	2,155	3,994	4,709	32,550	32,600	0	1,238	2,786	3,500	0	2,147	3,984	4,698	32,600	32,650	0	1,230	2,775	3,489	0	2,139	3,973	4,688	32,650	32,700	0	1,222	2,764	3,479	0	2,131	3,963	4,677	32,700	32,750	0	1,214	2,754	3,468	0	2,123	3,952	4,667	32,750	32,800	0	1,206	2,743	3,458	0	2,115	3,942	4,656	32,800	32,850	0	1,198	2,733	3,447	0	2,107	3,931	4,646	32,850	32,900	0	1,190	2,722	3,437	0	2,099	3,921	4,635	32,900	32,950	0	1,182	2,712	3,426	0	2,091	3,910	4,625	32,950	33,000	0	1,174	2,701	3,416	0	2,083	3,900	4,614	33,000	33,050	0	1,166	2,691	3,405	0	2,075	3,889	4,604	33,050	33,100	0	1,158	2,680	3,395	0	2,067	3,879	4,593	33,100	33,150	0	1,150	2,670	3,384	0	2,059	3,868	4,582	33,150	33,200	0	1,142	2,659	3,374	0	2,051	3,857	4,572	33,200	33,250	0	1,134	2,649	3,363	0	2,043	3,847	4,561	33,250	33,300	0	1,126	2,638	3,353	0	2,035	3,836	4,551	33,300	33,350	0	1,118	2,628	3,342	0	2,027	3,826	4,540	33,350	33,400	0	1,110	2,617	3,332	0	2,019	3,815	4,530	33,400	33,450	0	1,102	2,606	3,321	0	2,011	3,805	4,519	33,450	33,500	0	1,094	2,596	3,310	0	2,003	3,794	4,509	33,500	33,550	0	1,086	2,585	3,300	0	1,995	3,784	4,498	33,550	33,600	0	1,078	2,575	3,289	0	1,987	3,773	4,488	33,600	33,650	0	1,070	2,564	3,279	0	1,979	3,763	4,477	33,650	33,700	0	1,062	2,554	3,268	0	1,971	3,752	4,467	33,700	33,750	0	1,054	2,543	3,258	0	1,963	3,742	4,456	33,750	33,800	0	1,046	2,533	3,247	0	1,955	3,731	4,446	33,800	33,850	0	1,038	2,522	3,237	0	1,947	3,721	4,435	33,850	33,900	0	1,030	2,512	3,226	0	1,939	3,710	4,425	33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																											
31,450	31,500	0	1,413	3,017	3,732	0	2,323	4,215	4,930	31,500	31,550	0	1,405	3,007	3,721	0	2,315	4,205	4,919	31,550	31,600	0	1,397	2,996	3,711	0	2,307	4,194	4,909	31,600	31,650	0	1,389	2,986	3,700	0	2,299	4,184	4,898	31,650	31,700	0	1,381	2,975	3,690	0	2,291	4,173	4,888	31,700	31,750	0	1,373	2,965	3,679	0	2,283	4,163	4,877	31,750	31,800	0	1,365	2,954	3,668	0	2,275	4,152	4,867	31,800	31,850	0	1,357	2,943	3,658	0	2,267	4,142	4,856	31,850	31,900	0	1,349	2,933	3,647	0	2,259	4,131	4,846	31,900	31,950	0	1,341	2,922	3,637	0	2,251	4,121	4,835	31,950	32,000	0	1,333	2,912	3,626	0	2,243	4,110	4,825	32,000	32,050	0	1,325	2,901	3,616	0	2,235	4,100	4,814	32,050	32,100	0	1,317	2,891	3,605	0	2,227	4,089	4,804	32,100	32,150	0	1,309	2,880	3,595	0	2,219	4,079	4,793	32,150	32,200	0	1,302	2,870	3,584	0	2,211	4,068	4,783	32,200	32,250	0	1,294	2,859	3,574	0	2,203	4,058	4,772	32,250	32,300	0	1,286	2,849	3,563	0	2,195	4,047	4,761	32,300	32,350	0	1,278	2,838	3,553	0	2,187	4,036	4,751	32,350	32,400	0	1,270	2,828	3,542	0	2,179	4,026	4,740	32,400	32,450	0	1,262	2,817	3,532	0	2,171	4,015	4,730	32,450	32,500	0	1,254	2,807	3,521	0	2,163	4,005	4,719	32,500	32,550	0	1,246	2,796	3,511	0	2,155	3,994	4,709	32,550	32,600	0	1,238	2,786	3,500	0	2,147	3,984	4,698	32,600	32,650	0	1,230	2,775	3,489	0	2,139	3,973	4,688	32,650	32,700	0	1,222	2,764	3,479	0	2,131	3,963	4,677	32,700	32,750	0	1,214	2,754	3,468	0	2,123	3,952	4,667	32,750	32,800	0	1,206	2,743	3,458	0	2,115	3,942	4,656	32,800	32,850	0	1,198	2,733	3,447	0	2,107	3,931	4,646	32,850	32,900	0	1,190	2,722	3,437	0	2,099	3,921	4,635	32,900	32,950	0	1,182	2,712	3,426	0	2,091	3,910	4,625	32,950	33,000	0	1,174	2,701	3,416	0	2,083	3,900	4,614	33,000	33,050	0	1,166	2,691	3,405	0	2,075	3,889	4,604	33,050	33,100	0	1,158	2,680	3,395	0	2,067	3,879	4,593	33,100	33,150	0	1,150	2,670	3,384	0	2,059	3,868	4,582	33,150	33,200	0	1,142	2,659	3,374	0	2,051	3,857	4,572	33,200	33,250	0	1,134	2,649	3,363	0	2,043	3,847	4,561	33,250	33,300	0	1,126	2,638	3,353	0	2,035	3,836	4,551	33,300	33,350	0	1,118	2,628	3,342	0	2,027	3,826	4,540	33,350	33,400	0	1,110	2,617	3,332	0	2,019	3,815	4,530	33,400	33,450	0	1,102	2,606	3,321	0	2,011	3,805	4,519	33,450	33,500	0	1,094	2,596	3,310	0	2,003	3,794	4,509	33,500	33,550	0	1,086	2,585	3,300	0	1,995	3,784	4,498	33,550	33,600	0	1,078	2,575	3,289	0	1,987	3,773	4,488	33,600	33,650	0	1,070	2,564	3,279	0	1,979	3,763	4,477	33,650	33,700	0	1,062	2,554	3,268	0	1,971	3,752	4,467	33,700	33,750	0	1,054	2,543	3,258	0	1,963	3,742	4,456	33,750	33,800	0	1,046	2,533	3,247	0	1,955	3,731	4,446	33,800	33,850	0	1,038	2,522	3,237	0	1,947	3,721	4,435	33,850	33,900	0	1,030	2,512	3,226	0	1,939	3,710	4,425	33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																																					
31,500	31,550	0	1,405	3,007	3,721	0	2,315	4,205	4,919	31,550	31,600	0	1,397	2,996	3,711	0	2,307	4,194	4,909	31,600	31,650	0	1,389	2,986	3,700	0	2,299	4,184	4,898	31,650	31,700	0	1,381	2,975	3,690	0	2,291	4,173	4,888	31,700	31,750	0	1,373	2,965	3,679	0	2,283	4,163	4,877	31,750	31,800	0	1,365	2,954	3,668	0	2,275	4,152	4,867	31,800	31,850	0	1,357	2,943	3,658	0	2,267	4,142	4,856	31,850	31,900	0	1,349	2,933	3,647	0	2,259	4,131	4,846	31,900	31,950	0	1,341	2,922	3,637	0	2,251	4,121	4,835	31,950	32,000	0	1,333	2,912	3,626	0	2,243	4,110	4,825	32,000	32,050	0	1,325	2,901	3,616	0	2,235	4,100	4,814	32,050	32,100	0	1,317	2,891	3,605	0	2,227	4,089	4,804	32,100	32,150	0	1,309	2,880	3,595	0	2,219	4,079	4,793	32,150	32,200	0	1,302	2,870	3,584	0	2,211	4,068	4,783	32,200	32,250	0	1,294	2,859	3,574	0	2,203	4,058	4,772	32,250	32,300	0	1,286	2,849	3,563	0	2,195	4,047	4,761	32,300	32,350	0	1,278	2,838	3,553	0	2,187	4,036	4,751	32,350	32,400	0	1,270	2,828	3,542	0	2,179	4,026	4,740	32,400	32,450	0	1,262	2,817	3,532	0	2,171	4,015	4,730	32,450	32,500	0	1,254	2,807	3,521	0	2,163	4,005	4,719	32,500	32,550	0	1,246	2,796	3,511	0	2,155	3,994	4,709	32,550	32,600	0	1,238	2,786	3,500	0	2,147	3,984	4,698	32,600	32,650	0	1,230	2,775	3,489	0	2,139	3,973	4,688	32,650	32,700	0	1,222	2,764	3,479	0	2,131	3,963	4,677	32,700	32,750	0	1,214	2,754	3,468	0	2,123	3,952	4,667	32,750	32,800	0	1,206	2,743	3,458	0	2,115	3,942	4,656	32,800	32,850	0	1,198	2,733	3,447	0	2,107	3,931	4,646	32,850	32,900	0	1,190	2,722	3,437	0	2,099	3,921	4,635	32,900	32,950	0	1,182	2,712	3,426	0	2,091	3,910	4,625	32,950	33,000	0	1,174	2,701	3,416	0	2,083	3,900	4,614	33,000	33,050	0	1,166	2,691	3,405	0	2,075	3,889	4,604	33,050	33,100	0	1,158	2,680	3,395	0	2,067	3,879	4,593	33,100	33,150	0	1,150	2,670	3,384	0	2,059	3,868	4,582	33,150	33,200	0	1,142	2,659	3,374	0	2,051	3,857	4,572	33,200	33,250	0	1,134	2,649	3,363	0	2,043	3,847	4,561	33,250	33,300	0	1,126	2,638	3,353	0	2,035	3,836	4,551	33,300	33,350	0	1,118	2,628	3,342	0	2,027	3,826	4,540	33,350	33,400	0	1,110	2,617	3,332	0	2,019	3,815	4,530	33,400	33,450	0	1,102	2,606	3,321	0	2,011	3,805	4,519	33,450	33,500	0	1,094	2,596	3,310	0	2,003	3,794	4,509	33,500	33,550	0	1,086	2,585	3,300	0	1,995	3,784	4,498	33,550	33,600	0	1,078	2,575	3,289	0	1,987	3,773	4,488	33,600	33,650	0	1,070	2,564	3,279	0	1,979	3,763	4,477	33,650	33,700	0	1,062	2,554	3,268	0	1,971	3,752	4,467	33,700	33,750	0	1,054	2,543	3,258	0	1,963	3,742	4,456	33,750	33,800	0	1,046	2,533	3,247	0	1,955	3,731	4,446	33,800	33,850	0	1,038	2,522	3,237	0	1,947	3,721	4,435	33,850	33,900	0	1,030	2,512	3,226	0	1,939	3,710	4,425	33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																																															
31,550	31,600	0	1,397	2,996	3,711	0	2,307	4,194	4,909																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
31,600	31,650	0	1,389	2,986	3,700	0	2,299	4,184	4,898	31,650	31,700	0	1,381	2,975	3,690	0	2,291	4,173	4,888	31,700	31,750	0	1,373	2,965	3,679	0	2,283	4,163	4,877	31,750	31,800	0	1,365	2,954	3,668	0	2,275	4,152	4,867	31,800	31,850	0	1,357	2,943	3,658	0	2,267	4,142	4,856	31,850	31,900	0	1,349	2,933	3,647	0	2,259	4,131	4,846	31,900	31,950	0	1,341	2,922	3,637	0	2,251	4,121	4,835	31,950	32,000	0	1,333	2,912	3,626	0	2,243	4,110	4,825	32,000	32,050	0	1,325	2,901	3,616	0	2,235	4,100	4,814	32,050	32,100	0	1,317	2,891	3,605	0	2,227	4,089	4,804	32,100	32,150	0	1,309	2,880	3,595	0	2,219	4,079	4,793	32,150	32,200	0	1,302	2,870	3,584	0	2,211	4,068	4,783	32,200	32,250	0	1,294	2,859	3,574	0	2,203	4,058	4,772	32,250	32,300	0	1,286	2,849	3,563	0	2,195	4,047	4,761	32,300	32,350	0	1,278	2,838	3,553	0	2,187	4,036	4,751	32,350	32,400	0	1,270	2,828	3,542	0	2,179	4,026	4,740	32,400	32,450	0	1,262	2,817	3,532	0	2,171	4,015	4,730	32,450	32,500	0	1,254	2,807	3,521	0	2,163	4,005	4,719	32,500	32,550	0	1,246	2,796	3,511	0	2,155	3,994	4,709	32,550	32,600	0	1,238	2,786	3,500	0	2,147	3,984	4,698	32,600	32,650	0	1,230	2,775	3,489	0	2,139	3,973	4,688	32,650	32,700	0	1,222	2,764	3,479	0	2,131	3,963	4,677	32,700	32,750	0	1,214	2,754	3,468	0	2,123	3,952	4,667	32,750	32,800	0	1,206	2,743	3,458	0	2,115	3,942	4,656	32,800	32,850	0	1,198	2,733	3,447	0	2,107	3,931	4,646	32,850	32,900	0	1,190	2,722	3,437	0	2,099	3,921	4,635	32,900	32,950	0	1,182	2,712	3,426	0	2,091	3,910	4,625	32,950	33,000	0	1,174	2,701	3,416	0	2,083	3,900	4,614	33,000	33,050	0	1,166	2,691	3,405	0	2,075	3,889	4,604	33,050	33,100	0	1,158	2,680	3,395	0	2,067	3,879	4,593	33,100	33,150	0	1,150	2,670	3,384	0	2,059	3,868	4,582	33,150	33,200	0	1,142	2,659	3,374	0	2,051	3,857	4,572	33,200	33,250	0	1,134	2,649	3,363	0	2,043	3,847	4,561	33,250	33,300	0	1,126	2,638	3,353	0	2,035	3,836	4,551	33,300	33,350	0	1,118	2,628	3,342	0	2,027	3,826	4,540	33,350	33,400	0	1,110	2,617	3,332	0	2,019	3,815	4,530	33,400	33,450	0	1,102	2,606	3,321	0	2,011	3,805	4,519	33,450	33,500	0	1,094	2,596	3,310	0	2,003	3,794	4,509	33,500	33,550	0	1,086	2,585	3,300	0	1,995	3,784	4,498	33,550	33,600	0	1,078	2,575	3,289	0	1,987	3,773	4,488	33,600	33,650	0	1,070	2,564	3,279	0	1,979	3,763	4,477	33,650	33,700	0	1,062	2,554	3,268	0	1,971	3,752	4,467	33,700	33,750	0	1,054	2,543	3,258	0	1,963	3,742	4,456	33,750	33,800	0	1,046	2,533	3,247	0	1,955	3,731	4,446	33,800	33,850	0	1,038	2,522	3,237	0	1,947	3,721	4,435	33,850	33,900	0	1,030	2,512	3,226	0	1,939	3,710	4,425	33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																																																																			
31,650	31,700	0	1,381	2,975	3,690	0	2,291	4,173	4,888	31,700	31,750	0	1,373	2,965	3,679	0	2,283	4,163	4,877	31,750	31,800	0	1,365	2,954	3,668	0	2,275	4,152	4,867	31,800	31,850	0	1,357	2,943	3,658	0	2,267	4,142	4,856	31,850	31,900	0	1,349	2,933	3,647	0	2,259	4,131	4,846	31,900	31,950	0	1,341	2,922	3,637	0	2,251	4,121	4,835	31,950	32,000	0	1,333	2,912	3,626	0	2,243	4,110	4,825	32,000	32,050	0	1,325	2,901	3,616	0	2,235	4,100	4,814	32,050	32,100	0	1,317	2,891	3,605	0	2,227	4,089	4,804	32,100	32,150	0	1,309	2,880	3,595	0	2,219	4,079	4,793	32,150	32,200	0	1,302	2,870	3,584	0	2,211	4,068	4,783	32,200	32,250	0	1,294	2,859	3,574	0	2,203	4,058	4,772	32,250	32,300	0	1,286	2,849	3,563	0	2,195	4,047	4,761	32,300	32,350	0	1,278	2,838	3,553	0	2,187	4,036	4,751	32,350	32,400	0	1,270	2,828	3,542	0	2,179	4,026	4,740	32,400	32,450	0	1,262	2,817	3,532	0	2,171	4,015	4,730	32,450	32,500	0	1,254	2,807	3,521	0	2,163	4,005	4,719	32,500	32,550	0	1,246	2,796	3,511	0	2,155	3,994	4,709	32,550	32,600	0	1,238	2,786	3,500	0	2,147	3,984	4,698	32,600	32,650	0	1,230	2,775	3,489	0	2,139	3,973	4,688	32,650	32,700	0	1,222	2,764	3,479	0	2,131	3,963	4,677	32,700	32,750	0	1,214	2,754	3,468	0	2,123	3,952	4,667	32,750	32,800	0	1,206	2,743	3,458	0	2,115	3,942	4,656	32,800	32,850	0	1,198	2,733	3,447	0	2,107	3,931	4,646	32,850	32,900	0	1,190	2,722	3,437	0	2,099	3,921	4,635	32,900	32,950	0	1,182	2,712	3,426	0	2,091	3,910	4,625	32,950	33,000	0	1,174	2,701	3,416	0	2,083	3,900	4,614	33,000	33,050	0	1,166	2,691	3,405	0	2,075	3,889	4,604	33,050	33,100	0	1,158	2,680	3,395	0	2,067	3,879	4,593	33,100	33,150	0	1,150	2,670	3,384	0	2,059	3,868	4,582	33,150	33,200	0	1,142	2,659	3,374	0	2,051	3,857	4,572	33,200	33,250	0	1,134	2,649	3,363	0	2,043	3,847	4,561	33,250	33,300	0	1,126	2,638	3,353	0	2,035	3,836	4,551	33,300	33,350	0	1,118	2,628	3,342	0	2,027	3,826	4,540	33,350	33,400	0	1,110	2,617	3,332	0	2,019	3,815	4,530	33,400	33,450	0	1,102	2,606	3,321	0	2,011	3,805	4,519	33,450	33,500	0	1,094	2,596	3,310	0	2,003	3,794	4,509	33,500	33,550	0	1,086	2,585	3,300	0	1,995	3,784	4,498	33,550	33,600	0	1,078	2,575	3,289	0	1,987	3,773	4,488	33,600	33,650	0	1,070	2,564	3,279	0	1,979	3,763	4,477	33,650	33,700	0	1,062	2,554	3,268	0	1,971	3,752	4,467	33,700	33,750	0	1,054	2,543	3,258	0	1,963	3,742	4,456	33,750	33,800	0	1,046	2,533	3,247	0	1,955	3,731	4,446	33,800	33,850	0	1,038	2,522	3,237	0	1,947	3,721	4,435	33,850	33,900	0	1,030	2,512	3,226	0	1,939	3,710	4,425	33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																																																																													
31,700	31,750	0	1,373	2,965	3,679	0	2,283	4,163	4,877	31,750	31,800	0	1,365	2,954	3,668	0	2,275	4,152	4,867	31,800	31,850	0	1,357	2,943	3,658	0	2,267	4,142	4,856	31,850	31,900	0	1,349	2,933	3,647	0	2,259	4,131	4,846	31,900	31,950	0	1,341	2,922	3,637	0	2,251	4,121	4,835	31,950	32,000	0	1,333	2,912	3,626	0	2,243	4,110	4,825	32,000	32,050	0	1,325	2,901	3,616	0	2,235	4,100	4,814	32,050	32,100	0	1,317	2,891	3,605	0	2,227	4,089	4,804	32,100	32,150	0	1,309	2,880	3,595	0	2,219	4,079	4,793	32,150	32,200	0	1,302	2,870	3,584	0	2,211	4,068	4,783	32,200	32,250	0	1,294	2,859	3,574	0	2,203	4,058	4,772	32,250	32,300	0	1,286	2,849	3,563	0	2,195	4,047	4,761	32,300	32,350	0	1,278	2,838	3,553	0	2,187	4,036	4,751	32,350	32,400	0	1,270	2,828	3,542	0	2,179	4,026	4,740	32,400	32,450	0	1,262	2,817	3,532	0	2,171	4,015	4,730	32,450	32,500	0	1,254	2,807	3,521	0	2,163	4,005	4,719	32,500	32,550	0	1,246	2,796	3,511	0	2,155	3,994	4,709	32,550	32,600	0	1,238	2,786	3,500	0	2,147	3,984	4,698	32,600	32,650	0	1,230	2,775	3,489	0	2,139	3,973	4,688	32,650	32,700	0	1,222	2,764	3,479	0	2,131	3,963	4,677	32,700	32,750	0	1,214	2,754	3,468	0	2,123	3,952	4,667	32,750	32,800	0	1,206	2,743	3,458	0	2,115	3,942	4,656	32,800	32,850	0	1,198	2,733	3,447	0	2,107	3,931	4,646	32,850	32,900	0	1,190	2,722	3,437	0	2,099	3,921	4,635	32,900	32,950	0	1,182	2,712	3,426	0	2,091	3,910	4,625	32,950	33,000	0	1,174	2,701	3,416	0	2,083	3,900	4,614	33,000	33,050	0	1,166	2,691	3,405	0	2,075	3,889	4,604	33,050	33,100	0	1,158	2,680	3,395	0	2,067	3,879	4,593	33,100	33,150	0	1,150	2,670	3,384	0	2,059	3,868	4,582	33,150	33,200	0	1,142	2,659	3,374	0	2,051	3,857	4,572	33,200	33,250	0	1,134	2,649	3,363	0	2,043	3,847	4,561	33,250	33,300	0	1,126	2,638	3,353	0	2,035	3,836	4,551	33,300	33,350	0	1,118	2,628	3,342	0	2,027	3,826	4,540	33,350	33,400	0	1,110	2,617	3,332	0	2,019	3,815	4,530	33,400	33,450	0	1,102	2,606	3,321	0	2,011	3,805	4,519	33,450	33,500	0	1,094	2,596	3,310	0	2,003	3,794	4,509	33,500	33,550	0	1,086	2,585	3,300	0	1,995	3,784	4,498	33,550	33,600	0	1,078	2,575	3,289	0	1,987	3,773	4,488	33,600	33,650	0	1,070	2,564	3,279	0	1,979	3,763	4,477	33,650	33,700	0	1,062	2,554	3,268	0	1,971	3,752	4,467	33,700	33,750	0	1,054	2,543	3,258	0	1,963	3,742	4,456	33,750	33,800	0	1,046	2,533	3,247	0	1,955	3,731	4,446	33,800	33,850	0	1,038	2,522	3,237	0	1,947	3,721	4,435	33,850	33,900	0	1,030	2,512	3,226	0	1,939	3,710	4,425	33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																																																																																							
31,750	31,800	0	1,365	2,954	3,668	0	2,275	4,152	4,867																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
31,800	31,850	0	1,357	2,943	3,658	0	2,267	4,142	4,856	31,850	31,900	0	1,349	2,933	3,647	0	2,259	4,131	4,846	31,900	31,950	0	1,341	2,922	3,637	0	2,251	4,121	4,835	31,950	32,000	0	1,333	2,912	3,626	0	2,243	4,110	4,825	32,000	32,050	0	1,325	2,901	3,616	0	2,235	4,100	4,814	32,050	32,100	0	1,317	2,891	3,605	0	2,227	4,089	4,804	32,100	32,150	0	1,309	2,880	3,595	0	2,219	4,079	4,793	32,150	32,200	0	1,302	2,870	3,584	0	2,211	4,068	4,783	32,200	32,250	0	1,294	2,859	3,574	0	2,203	4,058	4,772	32,250	32,300	0	1,286	2,849	3,563	0	2,195	4,047	4,761	32,300	32,350	0	1,278	2,838	3,553	0	2,187	4,036	4,751	32,350	32,400	0	1,270	2,828	3,542	0	2,179	4,026	4,740	32,400	32,450	0	1,262	2,817	3,532	0	2,171	4,015	4,730	32,450	32,500	0	1,254	2,807	3,521	0	2,163	4,005	4,719	32,500	32,550	0	1,246	2,796	3,511	0	2,155	3,994	4,709	32,550	32,600	0	1,238	2,786	3,500	0	2,147	3,984	4,698	32,600	32,650	0	1,230	2,775	3,489	0	2,139	3,973	4,688	32,650	32,700	0	1,222	2,764	3,479	0	2,131	3,963	4,677	32,700	32,750	0	1,214	2,754	3,468	0	2,123	3,952	4,667	32,750	32,800	0	1,206	2,743	3,458	0	2,115	3,942	4,656	32,800	32,850	0	1,198	2,733	3,447	0	2,107	3,931	4,646	32,850	32,900	0	1,190	2,722	3,437	0	2,099	3,921	4,635	32,900	32,950	0	1,182	2,712	3,426	0	2,091	3,910	4,625	32,950	33,000	0	1,174	2,701	3,416	0	2,083	3,900	4,614	33,000	33,050	0	1,166	2,691	3,405	0	2,075	3,889	4,604	33,050	33,100	0	1,158	2,680	3,395	0	2,067	3,879	4,593	33,100	33,150	0	1,150	2,670	3,384	0	2,059	3,868	4,582	33,150	33,200	0	1,142	2,659	3,374	0	2,051	3,857	4,572	33,200	33,250	0	1,134	2,649	3,363	0	2,043	3,847	4,561	33,250	33,300	0	1,126	2,638	3,353	0	2,035	3,836	4,551	33,300	33,350	0	1,118	2,628	3,342	0	2,027	3,826	4,540	33,350	33,400	0	1,110	2,617	3,332	0	2,019	3,815	4,530	33,400	33,450	0	1,102	2,606	3,321	0	2,011	3,805	4,519	33,450	33,500	0	1,094	2,596	3,310	0	2,003	3,794	4,509	33,500	33,550	0	1,086	2,585	3,300	0	1,995	3,784	4,498	33,550	33,600	0	1,078	2,575	3,289	0	1,987	3,773	4,488	33,600	33,650	0	1,070	2,564	3,279	0	1,979	3,763	4,477	33,650	33,700	0	1,062	2,554	3,268	0	1,971	3,752	4,467	33,700	33,750	0	1,054	2,543	3,258	0	1,963	3,742	4,456	33,750	33,800	0	1,046	2,533	3,247	0	1,955	3,731	4,446	33,800	33,850	0	1,038	2,522	3,237	0	1,947	3,721	4,435	33,850	33,900	0	1,030	2,512	3,226	0	1,939	3,710	4,425	33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																																																																																																											
31,850	31,900	0	1,349	2,933	3,647	0	2,259	4,131	4,846	31,900	31,950	0	1,341	2,922	3,637	0	2,251	4,121	4,835	31,950	32,000	0	1,333	2,912	3,626	0	2,243	4,110	4,825	32,000	32,050	0	1,325	2,901	3,616	0	2,235	4,100	4,814	32,050	32,100	0	1,317	2,891	3,605	0	2,227	4,089	4,804	32,100	32,150	0	1,309	2,880	3,595	0	2,219	4,079	4,793	32,150	32,200	0	1,302	2,870	3,584	0	2,211	4,068	4,783	32,200	32,250	0	1,294	2,859	3,574	0	2,203	4,058	4,772	32,250	32,300	0	1,286	2,849	3,563	0	2,195	4,047	4,761	32,300	32,350	0	1,278	2,838	3,553	0	2,187	4,036	4,751	32,350	32,400	0	1,270	2,828	3,542	0	2,179	4,026	4,740	32,400	32,450	0	1,262	2,817	3,532	0	2,171	4,015	4,730	32,450	32,500	0	1,254	2,807	3,521	0	2,163	4,005	4,719	32,500	32,550	0	1,246	2,796	3,511	0	2,155	3,994	4,709	32,550	32,600	0	1,238	2,786	3,500	0	2,147	3,984	4,698	32,600	32,650	0	1,230	2,775	3,489	0	2,139	3,973	4,688	32,650	32,700	0	1,222	2,764	3,479	0	2,131	3,963	4,677	32,700	32,750	0	1,214	2,754	3,468	0	2,123	3,952	4,667	32,750	32,800	0	1,206	2,743	3,458	0	2,115	3,942	4,656	32,800	32,850	0	1,198	2,733	3,447	0	2,107	3,931	4,646	32,850	32,900	0	1,190	2,722	3,437	0	2,099	3,921	4,635	32,900	32,950	0	1,182	2,712	3,426	0	2,091	3,910	4,625	32,950	33,000	0	1,174	2,701	3,416	0	2,083	3,900	4,614	33,000	33,050	0	1,166	2,691	3,405	0	2,075	3,889	4,604	33,050	33,100	0	1,158	2,680	3,395	0	2,067	3,879	4,593	33,100	33,150	0	1,150	2,670	3,384	0	2,059	3,868	4,582	33,150	33,200	0	1,142	2,659	3,374	0	2,051	3,857	4,572	33,200	33,250	0	1,134	2,649	3,363	0	2,043	3,847	4,561	33,250	33,300	0	1,126	2,638	3,353	0	2,035	3,836	4,551	33,300	33,350	0	1,118	2,628	3,342	0	2,027	3,826	4,540	33,350	33,400	0	1,110	2,617	3,332	0	2,019	3,815	4,530	33,400	33,450	0	1,102	2,606	3,321	0	2,011	3,805	4,519	33,450	33,500	0	1,094	2,596	3,310	0	2,003	3,794	4,509	33,500	33,550	0	1,086	2,585	3,300	0	1,995	3,784	4,498	33,550	33,600	0	1,078	2,575	3,289	0	1,987	3,773	4,488	33,600	33,650	0	1,070	2,564	3,279	0	1,979	3,763	4,477	33,650	33,700	0	1,062	2,554	3,268	0	1,971	3,752	4,467	33,700	33,750	0	1,054	2,543	3,258	0	1,963	3,742	4,456	33,750	33,800	0	1,046	2,533	3,247	0	1,955	3,731	4,446	33,800	33,850	0	1,038	2,522	3,237	0	1,947	3,721	4,435	33,850	33,900	0	1,030	2,512	3,226	0	1,939	3,710	4,425	33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																																																																																																																					
31,900	31,950	0	1,341	2,922	3,637	0	2,251	4,121	4,835	31,950	32,000	0	1,333	2,912	3,626	0	2,243	4,110	4,825	32,000	32,050	0	1,325	2,901	3,616	0	2,235	4,100	4,814	32,050	32,100	0	1,317	2,891	3,605	0	2,227	4,089	4,804	32,100	32,150	0	1,309	2,880	3,595	0	2,219	4,079	4,793	32,150	32,200	0	1,302	2,870	3,584	0	2,211	4,068	4,783	32,200	32,250	0	1,294	2,859	3,574	0	2,203	4,058	4,772	32,250	32,300	0	1,286	2,849	3,563	0	2,195	4,047	4,761	32,300	32,350	0	1,278	2,838	3,553	0	2,187	4,036	4,751	32,350	32,400	0	1,270	2,828	3,542	0	2,179	4,026	4,740	32,400	32,450	0	1,262	2,817	3,532	0	2,171	4,015	4,730	32,450	32,500	0	1,254	2,807	3,521	0	2,163	4,005	4,719	32,500	32,550	0	1,246	2,796	3,511	0	2,155	3,994	4,709	32,550	32,600	0	1,238	2,786	3,500	0	2,147	3,984	4,698	32,600	32,650	0	1,230	2,775	3,489	0	2,139	3,973	4,688	32,650	32,700	0	1,222	2,764	3,479	0	2,131	3,963	4,677	32,700	32,750	0	1,214	2,754	3,468	0	2,123	3,952	4,667	32,750	32,800	0	1,206	2,743	3,458	0	2,115	3,942	4,656	32,800	32,850	0	1,198	2,733	3,447	0	2,107	3,931	4,646	32,850	32,900	0	1,190	2,722	3,437	0	2,099	3,921	4,635	32,900	32,950	0	1,182	2,712	3,426	0	2,091	3,910	4,625	32,950	33,000	0	1,174	2,701	3,416	0	2,083	3,900	4,614	33,000	33,050	0	1,166	2,691	3,405	0	2,075	3,889	4,604	33,050	33,100	0	1,158	2,680	3,395	0	2,067	3,879	4,593	33,100	33,150	0	1,150	2,670	3,384	0	2,059	3,868	4,582	33,150	33,200	0	1,142	2,659	3,374	0	2,051	3,857	4,572	33,200	33,250	0	1,134	2,649	3,363	0	2,043	3,847	4,561	33,250	33,300	0	1,126	2,638	3,353	0	2,035	3,836	4,551	33,300	33,350	0	1,118	2,628	3,342	0	2,027	3,826	4,540	33,350	33,400	0	1,110	2,617	3,332	0	2,019	3,815	4,530	33,400	33,450	0	1,102	2,606	3,321	0	2,011	3,805	4,519	33,450	33,500	0	1,094	2,596	3,310	0	2,003	3,794	4,509	33,500	33,550	0	1,086	2,585	3,300	0	1,995	3,784	4,498	33,550	33,600	0	1,078	2,575	3,289	0	1,987	3,773	4,488	33,600	33,650	0	1,070	2,564	3,279	0	1,979	3,763	4,477	33,650	33,700	0	1,062	2,554	3,268	0	1,971	3,752	4,467	33,700	33,750	0	1,054	2,543	3,258	0	1,963	3,742	4,456	33,750	33,800	0	1,046	2,533	3,247	0	1,955	3,731	4,446	33,800	33,850	0	1,038	2,522	3,237	0	1,947	3,721	4,435	33,850	33,900	0	1,030	2,512	3,226	0	1,939	3,710	4,425	33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																																																																																																																															
31,950	32,000	0	1,333	2,912	3,626	0	2,243	4,110	4,825																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
32,000	32,050	0	1,325	2,901	3,616	0	2,235	4,100	4,814	32,050	32,100	0	1,317	2,891	3,605	0	2,227	4,089	4,804	32,100	32,150	0	1,309	2,880	3,595	0	2,219	4,079	4,793	32,150	32,200	0	1,302	2,870	3,584	0	2,211	4,068	4,783	32,200	32,250	0	1,294	2,859	3,574	0	2,203	4,058	4,772	32,250	32,300	0	1,286	2,849	3,563	0	2,195	4,047	4,761	32,300	32,350	0	1,278	2,838	3,553	0	2,187	4,036	4,751	32,350	32,400	0	1,270	2,828	3,542	0	2,179	4,026	4,740	32,400	32,450	0	1,262	2,817	3,532	0	2,171	4,015	4,730	32,450	32,500	0	1,254	2,807	3,521	0	2,163	4,005	4,719	32,500	32,550	0	1,246	2,796	3,511	0	2,155	3,994	4,709	32,550	32,600	0	1,238	2,786	3,500	0	2,147	3,984	4,698	32,600	32,650	0	1,230	2,775	3,489	0	2,139	3,973	4,688	32,650	32,700	0	1,222	2,764	3,479	0	2,131	3,963	4,677	32,700	32,750	0	1,214	2,754	3,468	0	2,123	3,952	4,667	32,750	32,800	0	1,206	2,743	3,458	0	2,115	3,942	4,656	32,800	32,850	0	1,198	2,733	3,447	0	2,107	3,931	4,646	32,850	32,900	0	1,190	2,722	3,437	0	2,099	3,921	4,635	32,900	32,950	0	1,182	2,712	3,426	0	2,091	3,910	4,625	32,950	33,000	0	1,174	2,701	3,416	0	2,083	3,900	4,614	33,000	33,050	0	1,166	2,691	3,405	0	2,075	3,889	4,604	33,050	33,100	0	1,158	2,680	3,395	0	2,067	3,879	4,593	33,100	33,150	0	1,150	2,670	3,384	0	2,059	3,868	4,582	33,150	33,200	0	1,142	2,659	3,374	0	2,051	3,857	4,572	33,200	33,250	0	1,134	2,649	3,363	0	2,043	3,847	4,561	33,250	33,300	0	1,126	2,638	3,353	0	2,035	3,836	4,551	33,300	33,350	0	1,118	2,628	3,342	0	2,027	3,826	4,540	33,350	33,400	0	1,110	2,617	3,332	0	2,019	3,815	4,530	33,400	33,450	0	1,102	2,606	3,321	0	2,011	3,805	4,519	33,450	33,500	0	1,094	2,596	3,310	0	2,003	3,794	4,509	33,500	33,550	0	1,086	2,585	3,300	0	1,995	3,784	4,498	33,550	33,600	0	1,078	2,575	3,289	0	1,987	3,773	4,488	33,600	33,650	0	1,070	2,564	3,279	0	1,979	3,763	4,477	33,650	33,700	0	1,062	2,554	3,268	0	1,971	3,752	4,467	33,700	33,750	0	1,054	2,543	3,258	0	1,963	3,742	4,456	33,750	33,800	0	1,046	2,533	3,247	0	1,955	3,731	4,446	33,800	33,850	0	1,038	2,522	3,237	0	1,947	3,721	4,435	33,850	33,900	0	1,030	2,512	3,226	0	1,939	3,710	4,425	33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																																																																																																																																																			
32,050	32,100	0	1,317	2,891	3,605	0	2,227	4,089	4,804	32,100	32,150	0	1,309	2,880	3,595	0	2,219	4,079	4,793	32,150	32,200	0	1,302	2,870	3,584	0	2,211	4,068	4,783	32,200	32,250	0	1,294	2,859	3,574	0	2,203	4,058	4,772	32,250	32,300	0	1,286	2,849	3,563	0	2,195	4,047	4,761	32,300	32,350	0	1,278	2,838	3,553	0	2,187	4,036	4,751	32,350	32,400	0	1,270	2,828	3,542	0	2,179	4,026	4,740	32,400	32,450	0	1,262	2,817	3,532	0	2,171	4,015	4,730	32,450	32,500	0	1,254	2,807	3,521	0	2,163	4,005	4,719	32,500	32,550	0	1,246	2,796	3,511	0	2,155	3,994	4,709	32,550	32,600	0	1,238	2,786	3,500	0	2,147	3,984	4,698	32,600	32,650	0	1,230	2,775	3,489	0	2,139	3,973	4,688	32,650	32,700	0	1,222	2,764	3,479	0	2,131	3,963	4,677	32,700	32,750	0	1,214	2,754	3,468	0	2,123	3,952	4,667	32,750	32,800	0	1,206	2,743	3,458	0	2,115	3,942	4,656	32,800	32,850	0	1,198	2,733	3,447	0	2,107	3,931	4,646	32,850	32,900	0	1,190	2,722	3,437	0	2,099	3,921	4,635	32,900	32,950	0	1,182	2,712	3,426	0	2,091	3,910	4,625	32,950	33,000	0	1,174	2,701	3,416	0	2,083	3,900	4,614	33,000	33,050	0	1,166	2,691	3,405	0	2,075	3,889	4,604	33,050	33,100	0	1,158	2,680	3,395	0	2,067	3,879	4,593	33,100	33,150	0	1,150	2,670	3,384	0	2,059	3,868	4,582	33,150	33,200	0	1,142	2,659	3,374	0	2,051	3,857	4,572	33,200	33,250	0	1,134	2,649	3,363	0	2,043	3,847	4,561	33,250	33,300	0	1,126	2,638	3,353	0	2,035	3,836	4,551	33,300	33,350	0	1,118	2,628	3,342	0	2,027	3,826	4,540	33,350	33,400	0	1,110	2,617	3,332	0	2,019	3,815	4,530	33,400	33,450	0	1,102	2,606	3,321	0	2,011	3,805	4,519	33,450	33,500	0	1,094	2,596	3,310	0	2,003	3,794	4,509	33,500	33,550	0	1,086	2,585	3,300	0	1,995	3,784	4,498	33,550	33,600	0	1,078	2,575	3,289	0	1,987	3,773	4,488	33,600	33,650	0	1,070	2,564	3,279	0	1,979	3,763	4,477	33,650	33,700	0	1,062	2,554	3,268	0	1,971	3,752	4,467	33,700	33,750	0	1,054	2,543	3,258	0	1,963	3,742	4,456	33,750	33,800	0	1,046	2,533	3,247	0	1,955	3,731	4,446	33,800	33,850	0	1,038	2,522	3,237	0	1,947	3,721	4,435	33,850	33,900	0	1,030	2,512	3,226	0	1,939	3,710	4,425	33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																																																																																																																																																													
32,100	32,150	0	1,309	2,880	3,595	0	2,219	4,079	4,793	32,150	32,200	0	1,302	2,870	3,584	0	2,211	4,068	4,783	32,200	32,250	0	1,294	2,859	3,574	0	2,203	4,058	4,772	32,250	32,300	0	1,286	2,849	3,563	0	2,195	4,047	4,761	32,300	32,350	0	1,278	2,838	3,553	0	2,187	4,036	4,751	32,350	32,400	0	1,270	2,828	3,542	0	2,179	4,026	4,740	32,400	32,450	0	1,262	2,817	3,532	0	2,171	4,015	4,730	32,450	32,500	0	1,254	2,807	3,521	0	2,163	4,005	4,719	32,500	32,550	0	1,246	2,796	3,511	0	2,155	3,994	4,709	32,550	32,600	0	1,238	2,786	3,500	0	2,147	3,984	4,698	32,600	32,650	0	1,230	2,775	3,489	0	2,139	3,973	4,688	32,650	32,700	0	1,222	2,764	3,479	0	2,131	3,963	4,677	32,700	32,750	0	1,214	2,754	3,468	0	2,123	3,952	4,667	32,750	32,800	0	1,206	2,743	3,458	0	2,115	3,942	4,656	32,800	32,850	0	1,198	2,733	3,447	0	2,107	3,931	4,646	32,850	32,900	0	1,190	2,722	3,437	0	2,099	3,921	4,635	32,900	32,950	0	1,182	2,712	3,426	0	2,091	3,910	4,625	32,950	33,000	0	1,174	2,701	3,416	0	2,083	3,900	4,614	33,000	33,050	0	1,166	2,691	3,405	0	2,075	3,889	4,604	33,050	33,100	0	1,158	2,680	3,395	0	2,067	3,879	4,593	33,100	33,150	0	1,150	2,670	3,384	0	2,059	3,868	4,582	33,150	33,200	0	1,142	2,659	3,374	0	2,051	3,857	4,572	33,200	33,250	0	1,134	2,649	3,363	0	2,043	3,847	4,561	33,250	33,300	0	1,126	2,638	3,353	0	2,035	3,836	4,551	33,300	33,350	0	1,118	2,628	3,342	0	2,027	3,826	4,540	33,350	33,400	0	1,110	2,617	3,332	0	2,019	3,815	4,530	33,400	33,450	0	1,102	2,606	3,321	0	2,011	3,805	4,519	33,450	33,500	0	1,094	2,596	3,310	0	2,003	3,794	4,509	33,500	33,550	0	1,086	2,585	3,300	0	1,995	3,784	4,498	33,550	33,600	0	1,078	2,575	3,289	0	1,987	3,773	4,488	33,600	33,650	0	1,070	2,564	3,279	0	1,979	3,763	4,477	33,650	33,700	0	1,062	2,554	3,268	0	1,971	3,752	4,467	33,700	33,750	0	1,054	2,543	3,258	0	1,963	3,742	4,456	33,750	33,800	0	1,046	2,533	3,247	0	1,955	3,731	4,446	33,800	33,850	0	1,038	2,522	3,237	0	1,947	3,721	4,435	33,850	33,900	0	1,030	2,512	3,226	0	1,939	3,710	4,425	33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																																																																																																																																																																							
32,150	32,200	0	1,302	2,870	3,584	0	2,211	4,068	4,783																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
32,200	32,250	0	1,294	2,859	3,574	0	2,203	4,058	4,772	32,250	32,300	0	1,286	2,849	3,563	0	2,195	4,047	4,761	32,300	32,350	0	1,278	2,838	3,553	0	2,187	4,036	4,751	32,350	32,400	0	1,270	2,828	3,542	0	2,179	4,026	4,740	32,400	32,450	0	1,262	2,817	3,532	0	2,171	4,015	4,730	32,450	32,500	0	1,254	2,807	3,521	0	2,163	4,005	4,719	32,500	32,550	0	1,246	2,796	3,511	0	2,155	3,994	4,709	32,550	32,600	0	1,238	2,786	3,500	0	2,147	3,984	4,698	32,600	32,650	0	1,230	2,775	3,489	0	2,139	3,973	4,688	32,650	32,700	0	1,222	2,764	3,479	0	2,131	3,963	4,677	32,700	32,750	0	1,214	2,754	3,468	0	2,123	3,952	4,667	32,750	32,800	0	1,206	2,743	3,458	0	2,115	3,942	4,656	32,800	32,850	0	1,198	2,733	3,447	0	2,107	3,931	4,646	32,850	32,900	0	1,190	2,722	3,437	0	2,099	3,921	4,635	32,900	32,950	0	1,182	2,712	3,426	0	2,091	3,910	4,625	32,950	33,000	0	1,174	2,701	3,416	0	2,083	3,900	4,614	33,000	33,050	0	1,166	2,691	3,405	0	2,075	3,889	4,604	33,050	33,100	0	1,158	2,680	3,395	0	2,067	3,879	4,593	33,100	33,150	0	1,150	2,670	3,384	0	2,059	3,868	4,582	33,150	33,200	0	1,142	2,659	3,374	0	2,051	3,857	4,572	33,200	33,250	0	1,134	2,649	3,363	0	2,043	3,847	4,561	33,250	33,300	0	1,126	2,638	3,353	0	2,035	3,836	4,551	33,300	33,350	0	1,118	2,628	3,342	0	2,027	3,826	4,540	33,350	33,400	0	1,110	2,617	3,332	0	2,019	3,815	4,530	33,400	33,450	0	1,102	2,606	3,321	0	2,011	3,805	4,519	33,450	33,500	0	1,094	2,596	3,310	0	2,003	3,794	4,509	33,500	33,550	0	1,086	2,585	3,300	0	1,995	3,784	4,498	33,550	33,600	0	1,078	2,575	3,289	0	1,987	3,773	4,488	33,600	33,650	0	1,070	2,564	3,279	0	1,979	3,763	4,477	33,650	33,700	0	1,062	2,554	3,268	0	1,971	3,752	4,467	33,700	33,750	0	1,054	2,543	3,258	0	1,963	3,742	4,456	33,750	33,800	0	1,046	2,533	3,247	0	1,955	3,731	4,446	33,800	33,850	0	1,038	2,522	3,237	0	1,947	3,721	4,435	33,850	33,900	0	1,030	2,512	3,226	0	1,939	3,710	4,425	33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																																																																																																																																																																																											
32,250	32,300	0	1,286	2,849	3,563	0	2,195	4,047	4,761	32,300	32,350	0	1,278	2,838	3,553	0	2,187	4,036	4,751	32,350	32,400	0	1,270	2,828	3,542	0	2,179	4,026	4,740	32,400	32,450	0	1,262	2,817	3,532	0	2,171	4,015	4,730	32,450	32,500	0	1,254	2,807	3,521	0	2,163	4,005	4,719	32,500	32,550	0	1,246	2,796	3,511	0	2,155	3,994	4,709	32,550	32,600	0	1,238	2,786	3,500	0	2,147	3,984	4,698	32,600	32,650	0	1,230	2,775	3,489	0	2,139	3,973	4,688	32,650	32,700	0	1,222	2,764	3,479	0	2,131	3,963	4,677	32,700	32,750	0	1,214	2,754	3,468	0	2,123	3,952	4,667	32,750	32,800	0	1,206	2,743	3,458	0	2,115	3,942	4,656	32,800	32,850	0	1,198	2,733	3,447	0	2,107	3,931	4,646	32,850	32,900	0	1,190	2,722	3,437	0	2,099	3,921	4,635	32,900	32,950	0	1,182	2,712	3,426	0	2,091	3,910	4,625	32,950	33,000	0	1,174	2,701	3,416	0	2,083	3,900	4,614	33,000	33,050	0	1,166	2,691	3,405	0	2,075	3,889	4,604	33,050	33,100	0	1,158	2,680	3,395	0	2,067	3,879	4,593	33,100	33,150	0	1,150	2,670	3,384	0	2,059	3,868	4,582	33,150	33,200	0	1,142	2,659	3,374	0	2,051	3,857	4,572	33,200	33,250	0	1,134	2,649	3,363	0	2,043	3,847	4,561	33,250	33,300	0	1,126	2,638	3,353	0	2,035	3,836	4,551	33,300	33,350	0	1,118	2,628	3,342	0	2,027	3,826	4,540	33,350	33,400	0	1,110	2,617	3,332	0	2,019	3,815	4,530	33,400	33,450	0	1,102	2,606	3,321	0	2,011	3,805	4,519	33,450	33,500	0	1,094	2,596	3,310	0	2,003	3,794	4,509	33,500	33,550	0	1,086	2,585	3,300	0	1,995	3,784	4,498	33,550	33,600	0	1,078	2,575	3,289	0	1,987	3,773	4,488	33,600	33,650	0	1,070	2,564	3,279	0	1,979	3,763	4,477	33,650	33,700	0	1,062	2,554	3,268	0	1,971	3,752	4,467	33,700	33,750	0	1,054	2,543	3,258	0	1,963	3,742	4,456	33,750	33,800	0	1,046	2,533	3,247	0	1,955	3,731	4,446	33,800	33,850	0	1,038	2,522	3,237	0	1,947	3,721	4,435	33,850	33,900	0	1,030	2,512	3,226	0	1,939	3,710	4,425	33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																																																																																																																																																																																																					
32,300	32,350	0	1,278	2,838	3,553	0	2,187	4,036	4,751	32,350	32,400	0	1,270	2,828	3,542	0	2,179	4,026	4,740	32,400	32,450	0	1,262	2,817	3,532	0	2,171	4,015	4,730	32,450	32,500	0	1,254	2,807	3,521	0	2,163	4,005	4,719	32,500	32,550	0	1,246	2,796	3,511	0	2,155	3,994	4,709	32,550	32,600	0	1,238	2,786	3,500	0	2,147	3,984	4,698	32,600	32,650	0	1,230	2,775	3,489	0	2,139	3,973	4,688	32,650	32,700	0	1,222	2,764	3,479	0	2,131	3,963	4,677	32,700	32,750	0	1,214	2,754	3,468	0	2,123	3,952	4,667	32,750	32,800	0	1,206	2,743	3,458	0	2,115	3,942	4,656	32,800	32,850	0	1,198	2,733	3,447	0	2,107	3,931	4,646	32,850	32,900	0	1,190	2,722	3,437	0	2,099	3,921	4,635	32,900	32,950	0	1,182	2,712	3,426	0	2,091	3,910	4,625	32,950	33,000	0	1,174	2,701	3,416	0	2,083	3,900	4,614	33,000	33,050	0	1,166	2,691	3,405	0	2,075	3,889	4,604	33,050	33,100	0	1,158	2,680	3,395	0	2,067	3,879	4,593	33,100	33,150	0	1,150	2,670	3,384	0	2,059	3,868	4,582	33,150	33,200	0	1,142	2,659	3,374	0	2,051	3,857	4,572	33,200	33,250	0	1,134	2,649	3,363	0	2,043	3,847	4,561	33,250	33,300	0	1,126	2,638	3,353	0	2,035	3,836	4,551	33,300	33,350	0	1,118	2,628	3,342	0	2,027	3,826	4,540	33,350	33,400	0	1,110	2,617	3,332	0	2,019	3,815	4,530	33,400	33,450	0	1,102	2,606	3,321	0	2,011	3,805	4,519	33,450	33,500	0	1,094	2,596	3,310	0	2,003	3,794	4,509	33,500	33,550	0	1,086	2,585	3,300	0	1,995	3,784	4,498	33,550	33,600	0	1,078	2,575	3,289	0	1,987	3,773	4,488	33,600	33,650	0	1,070	2,564	3,279	0	1,979	3,763	4,477	33,650	33,700	0	1,062	2,554	3,268	0	1,971	3,752	4,467	33,700	33,750	0	1,054	2,543	3,258	0	1,963	3,742	4,456	33,750	33,800	0	1,046	2,533	3,247	0	1,955	3,731	4,446	33,800	33,850	0	1,038	2,522	3,237	0	1,947	3,721	4,435	33,850	33,900	0	1,030	2,512	3,226	0	1,939	3,710	4,425	33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																																																																																																																																																																																																															
32,350	32,400	0	1,270	2,828	3,542	0	2,179	4,026	4,740																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
32,400	32,450	0	1,262	2,817	3,532	0	2,171	4,015	4,730	32,450	32,500	0	1,254	2,807	3,521	0	2,163	4,005	4,719	32,500	32,550	0	1,246	2,796	3,511	0	2,155	3,994	4,709	32,550	32,600	0	1,238	2,786	3,500	0	2,147	3,984	4,698	32,600	32,650	0	1,230	2,775	3,489	0	2,139	3,973	4,688	32,650	32,700	0	1,222	2,764	3,479	0	2,131	3,963	4,677	32,700	32,750	0	1,214	2,754	3,468	0	2,123	3,952	4,667	32,750	32,800	0	1,206	2,743	3,458	0	2,115	3,942	4,656	32,800	32,850	0	1,198	2,733	3,447	0	2,107	3,931	4,646	32,850	32,900	0	1,190	2,722	3,437	0	2,099	3,921	4,635	32,900	32,950	0	1,182	2,712	3,426	0	2,091	3,910	4,625	32,950	33,000	0	1,174	2,701	3,416	0	2,083	3,900	4,614	33,000	33,050	0	1,166	2,691	3,405	0	2,075	3,889	4,604	33,050	33,100	0	1,158	2,680	3,395	0	2,067	3,879	4,593	33,100	33,150	0	1,150	2,670	3,384	0	2,059	3,868	4,582	33,150	33,200	0	1,142	2,659	3,374	0	2,051	3,857	4,572	33,200	33,250	0	1,134	2,649	3,363	0	2,043	3,847	4,561	33,250	33,300	0	1,126	2,638	3,353	0	2,035	3,836	4,551	33,300	33,350	0	1,118	2,628	3,342	0	2,027	3,826	4,540	33,350	33,400	0	1,110	2,617	3,332	0	2,019	3,815	4,530	33,400	33,450	0	1,102	2,606	3,321	0	2,011	3,805	4,519	33,450	33,500	0	1,094	2,596	3,310	0	2,003	3,794	4,509	33,500	33,550	0	1,086	2,585	3,300	0	1,995	3,784	4,498	33,550	33,600	0	1,078	2,575	3,289	0	1,987	3,773	4,488	33,600	33,650	0	1,070	2,564	3,279	0	1,979	3,763	4,477	33,650	33,700	0	1,062	2,554	3,268	0	1,971	3,752	4,467	33,700	33,750	0	1,054	2,543	3,258	0	1,963	3,742	4,456	33,750	33,800	0	1,046	2,533	3,247	0	1,955	3,731	4,446	33,800	33,850	0	1,038	2,522	3,237	0	1,947	3,721	4,435	33,850	33,900	0	1,030	2,512	3,226	0	1,939	3,710	4,425	33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																																																																																																																																																																																																																																			
32,450	32,500	0	1,254	2,807	3,521	0	2,163	4,005	4,719	32,500	32,550	0	1,246	2,796	3,511	0	2,155	3,994	4,709	32,550	32,600	0	1,238	2,786	3,500	0	2,147	3,984	4,698	32,600	32,650	0	1,230	2,775	3,489	0	2,139	3,973	4,688	32,650	32,700	0	1,222	2,764	3,479	0	2,131	3,963	4,677	32,700	32,750	0	1,214	2,754	3,468	0	2,123	3,952	4,667	32,750	32,800	0	1,206	2,743	3,458	0	2,115	3,942	4,656	32,800	32,850	0	1,198	2,733	3,447	0	2,107	3,931	4,646	32,850	32,900	0	1,190	2,722	3,437	0	2,099	3,921	4,635	32,900	32,950	0	1,182	2,712	3,426	0	2,091	3,910	4,625	32,950	33,000	0	1,174	2,701	3,416	0	2,083	3,900	4,614	33,000	33,050	0	1,166	2,691	3,405	0	2,075	3,889	4,604	33,050	33,100	0	1,158	2,680	3,395	0	2,067	3,879	4,593	33,100	33,150	0	1,150	2,670	3,384	0	2,059	3,868	4,582	33,150	33,200	0	1,142	2,659	3,374	0	2,051	3,857	4,572	33,200	33,250	0	1,134	2,649	3,363	0	2,043	3,847	4,561	33,250	33,300	0	1,126	2,638	3,353	0	2,035	3,836	4,551	33,300	33,350	0	1,118	2,628	3,342	0	2,027	3,826	4,540	33,350	33,400	0	1,110	2,617	3,332	0	2,019	3,815	4,530	33,400	33,450	0	1,102	2,606	3,321	0	2,011	3,805	4,519	33,450	33,500	0	1,094	2,596	3,310	0	2,003	3,794	4,509	33,500	33,550	0	1,086	2,585	3,300	0	1,995	3,784	4,498	33,550	33,600	0	1,078	2,575	3,289	0	1,987	3,773	4,488	33,600	33,650	0	1,070	2,564	3,279	0	1,979	3,763	4,477	33,650	33,700	0	1,062	2,554	3,268	0	1,971	3,752	4,467	33,700	33,750	0	1,054	2,543	3,258	0	1,963	3,742	4,456	33,750	33,800	0	1,046	2,533	3,247	0	1,955	3,731	4,446	33,800	33,850	0	1,038	2,522	3,237	0	1,947	3,721	4,435	33,850	33,900	0	1,030	2,512	3,226	0	1,939	3,710	4,425	33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																																																																																																																																																																																																																																													
32,500	32,550	0	1,246	2,796	3,511	0	2,155	3,994	4,709	32,550	32,600	0	1,238	2,786	3,500	0	2,147	3,984	4,698	32,600	32,650	0	1,230	2,775	3,489	0	2,139	3,973	4,688	32,650	32,700	0	1,222	2,764	3,479	0	2,131	3,963	4,677	32,700	32,750	0	1,214	2,754	3,468	0	2,123	3,952	4,667	32,750	32,800	0	1,206	2,743	3,458	0	2,115	3,942	4,656	32,800	32,850	0	1,198	2,733	3,447	0	2,107	3,931	4,646	32,850	32,900	0	1,190	2,722	3,437	0	2,099	3,921	4,635	32,900	32,950	0	1,182	2,712	3,426	0	2,091	3,910	4,625	32,950	33,000	0	1,174	2,701	3,416	0	2,083	3,900	4,614	33,000	33,050	0	1,166	2,691	3,405	0	2,075	3,889	4,604	33,050	33,100	0	1,158	2,680	3,395	0	2,067	3,879	4,593	33,100	33,150	0	1,150	2,670	3,384	0	2,059	3,868	4,582	33,150	33,200	0	1,142	2,659	3,374	0	2,051	3,857	4,572	33,200	33,250	0	1,134	2,649	3,363	0	2,043	3,847	4,561	33,250	33,300	0	1,126	2,638	3,353	0	2,035	3,836	4,551	33,300	33,350	0	1,118	2,628	3,342	0	2,027	3,826	4,540	33,350	33,400	0	1,110	2,617	3,332	0	2,019	3,815	4,530	33,400	33,450	0	1,102	2,606	3,321	0	2,011	3,805	4,519	33,450	33,500	0	1,094	2,596	3,310	0	2,003	3,794	4,509	33,500	33,550	0	1,086	2,585	3,300	0	1,995	3,784	4,498	33,550	33,600	0	1,078	2,575	3,289	0	1,987	3,773	4,488	33,600	33,650	0	1,070	2,564	3,279	0	1,979	3,763	4,477	33,650	33,700	0	1,062	2,554	3,268	0	1,971	3,752	4,467	33,700	33,750	0	1,054	2,543	3,258	0	1,963	3,742	4,456	33,750	33,800	0	1,046	2,533	3,247	0	1,955	3,731	4,446	33,800	33,850	0	1,038	2,522	3,237	0	1,947	3,721	4,435	33,850	33,900	0	1,030	2,512	3,226	0	1,939	3,710	4,425	33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																																																																																																																																																																																																																																																							
32,550	32,600	0	1,238	2,786	3,500	0	2,147	3,984	4,698																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
32,600	32,650	0	1,230	2,775	3,489	0	2,139	3,973	4,688	32,650	32,700	0	1,222	2,764	3,479	0	2,131	3,963	4,677	32,700	32,750	0	1,214	2,754	3,468	0	2,123	3,952	4,667	32,750	32,800	0	1,206	2,743	3,458	0	2,115	3,942	4,656	32,800	32,850	0	1,198	2,733	3,447	0	2,107	3,931	4,646	32,850	32,900	0	1,190	2,722	3,437	0	2,099	3,921	4,635	32,900	32,950	0	1,182	2,712	3,426	0	2,091	3,910	4,625	32,950	33,000	0	1,174	2,701	3,416	0	2,083	3,900	4,614	33,000	33,050	0	1,166	2,691	3,405	0	2,075	3,889	4,604	33,050	33,100	0	1,158	2,680	3,395	0	2,067	3,879	4,593	33,100	33,150	0	1,150	2,670	3,384	0	2,059	3,868	4,582	33,150	33,200	0	1,142	2,659	3,374	0	2,051	3,857	4,572	33,200	33,250	0	1,134	2,649	3,363	0	2,043	3,847	4,561	33,250	33,300	0	1,126	2,638	3,353	0	2,035	3,836	4,551	33,300	33,350	0	1,118	2,628	3,342	0	2,027	3,826	4,540	33,350	33,400	0	1,110	2,617	3,332	0	2,019	3,815	4,530	33,400	33,450	0	1,102	2,606	3,321	0	2,011	3,805	4,519	33,450	33,500	0	1,094	2,596	3,310	0	2,003	3,794	4,509	33,500	33,550	0	1,086	2,585	3,300	0	1,995	3,784	4,498	33,550	33,600	0	1,078	2,575	3,289	0	1,987	3,773	4,488	33,600	33,650	0	1,070	2,564	3,279	0	1,979	3,763	4,477	33,650	33,700	0	1,062	2,554	3,268	0	1,971	3,752	4,467	33,700	33,750	0	1,054	2,543	3,258	0	1,963	3,742	4,456	33,750	33,800	0	1,046	2,533	3,247	0	1,955	3,731	4,446	33,800	33,850	0	1,038	2,522	3,237	0	1,947	3,721	4,435	33,850	33,900	0	1,030	2,512	3,226	0	1,939	3,710	4,425	33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																																																																																																																																																																																																																																																																											
32,650	32,700	0	1,222	2,764	3,479	0	2,131	3,963	4,677	32,700	32,750	0	1,214	2,754	3,468	0	2,123	3,952	4,667	32,750	32,800	0	1,206	2,743	3,458	0	2,115	3,942	4,656	32,800	32,850	0	1,198	2,733	3,447	0	2,107	3,931	4,646	32,850	32,900	0	1,190	2,722	3,437	0	2,099	3,921	4,635	32,900	32,950	0	1,182	2,712	3,426	0	2,091	3,910	4,625	32,950	33,000	0	1,174	2,701	3,416	0	2,083	3,900	4,614	33,000	33,050	0	1,166	2,691	3,405	0	2,075	3,889	4,604	33,050	33,100	0	1,158	2,680	3,395	0	2,067	3,879	4,593	33,100	33,150	0	1,150	2,670	3,384	0	2,059	3,868	4,582	33,150	33,200	0	1,142	2,659	3,374	0	2,051	3,857	4,572	33,200	33,250	0	1,134	2,649	3,363	0	2,043	3,847	4,561	33,250	33,300	0	1,126	2,638	3,353	0	2,035	3,836	4,551	33,300	33,350	0	1,118	2,628	3,342	0	2,027	3,826	4,540	33,350	33,400	0	1,110	2,617	3,332	0	2,019	3,815	4,530	33,400	33,450	0	1,102	2,606	3,321	0	2,011	3,805	4,519	33,450	33,500	0	1,094	2,596	3,310	0	2,003	3,794	4,509	33,500	33,550	0	1,086	2,585	3,300	0	1,995	3,784	4,498	33,550	33,600	0	1,078	2,575	3,289	0	1,987	3,773	4,488	33,600	33,650	0	1,070	2,564	3,279	0	1,979	3,763	4,477	33,650	33,700	0	1,062	2,554	3,268	0	1,971	3,752	4,467	33,700	33,750	0	1,054	2,543	3,258	0	1,963	3,742	4,456	33,750	33,800	0	1,046	2,533	3,247	0	1,955	3,731	4,446	33,800	33,850	0	1,038	2,522	3,237	0	1,947	3,721	4,435	33,850	33,900	0	1,030	2,512	3,226	0	1,939	3,710	4,425	33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																																																																																																																																																																																																																																																																																					
32,700	32,750	0	1,214	2,754	3,468	0	2,123	3,952	4,667	32,750	32,800	0	1,206	2,743	3,458	0	2,115	3,942	4,656	32,800	32,850	0	1,198	2,733	3,447	0	2,107	3,931	4,646	32,850	32,900	0	1,190	2,722	3,437	0	2,099	3,921	4,635	32,900	32,950	0	1,182	2,712	3,426	0	2,091	3,910	4,625	32,950	33,000	0	1,174	2,701	3,416	0	2,083	3,900	4,614	33,000	33,050	0	1,166	2,691	3,405	0	2,075	3,889	4,604	33,050	33,100	0	1,158	2,680	3,395	0	2,067	3,879	4,593	33,100	33,150	0	1,150	2,670	3,384	0	2,059	3,868	4,582	33,150	33,200	0	1,142	2,659	3,374	0	2,051	3,857	4,572	33,200	33,250	0	1,134	2,649	3,363	0	2,043	3,847	4,561	33,250	33,300	0	1,126	2,638	3,353	0	2,035	3,836	4,551	33,300	33,350	0	1,118	2,628	3,342	0	2,027	3,826	4,540	33,350	33,400	0	1,110	2,617	3,332	0	2,019	3,815	4,530	33,400	33,450	0	1,102	2,606	3,321	0	2,011	3,805	4,519	33,450	33,500	0	1,094	2,596	3,310	0	2,003	3,794	4,509	33,500	33,550	0	1,086	2,585	3,300	0	1,995	3,784	4,498	33,550	33,600	0	1,078	2,575	3,289	0	1,987	3,773	4,488	33,600	33,650	0	1,070	2,564	3,279	0	1,979	3,763	4,477	33,650	33,700	0	1,062	2,554	3,268	0	1,971	3,752	4,467	33,700	33,750	0	1,054	2,543	3,258	0	1,963	3,742	4,456	33,750	33,800	0	1,046	2,533	3,247	0	1,955	3,731	4,446	33,800	33,850	0	1,038	2,522	3,237	0	1,947	3,721	4,435	33,850	33,900	0	1,030	2,512	3,226	0	1,939	3,710	4,425	33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																																																																																																																																																																																																																																																																																															
32,750	32,800	0	1,206	2,743	3,458	0	2,115	3,942	4,656																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
32,800	32,850	0	1,198	2,733	3,447	0	2,107	3,931	4,646	32,850	32,900	0	1,190	2,722	3,437	0	2,099	3,921	4,635	32,900	32,950	0	1,182	2,712	3,426	0	2,091	3,910	4,625	32,950	33,000	0	1,174	2,701	3,416	0	2,083	3,900	4,614	33,000	33,050	0	1,166	2,691	3,405	0	2,075	3,889	4,604	33,050	33,100	0	1,158	2,680	3,395	0	2,067	3,879	4,593	33,100	33,150	0	1,150	2,670	3,384	0	2,059	3,868	4,582	33,150	33,200	0	1,142	2,659	3,374	0	2,051	3,857	4,572	33,200	33,250	0	1,134	2,649	3,363	0	2,043	3,847	4,561	33,250	33,300	0	1,126	2,638	3,353	0	2,035	3,836	4,551	33,300	33,350	0	1,118	2,628	3,342	0	2,027	3,826	4,540	33,350	33,400	0	1,110	2,617	3,332	0	2,019	3,815	4,530	33,400	33,450	0	1,102	2,606	3,321	0	2,011	3,805	4,519	33,450	33,500	0	1,094	2,596	3,310	0	2,003	3,794	4,509	33,500	33,550	0	1,086	2,585	3,300	0	1,995	3,784	4,498	33,550	33,600	0	1,078	2,575	3,289	0	1,987	3,773	4,488	33,600	33,650	0	1,070	2,564	3,279	0	1,979	3,763	4,477	33,650	33,700	0	1,062	2,554	3,268	0	1,971	3,752	4,467	33,700	33,750	0	1,054	2,543	3,258	0	1,963	3,742	4,456	33,750	33,800	0	1,046	2,533	3,247	0	1,955	3,731	4,446	33,800	33,850	0	1,038	2,522	3,237	0	1,947	3,721	4,435	33,850	33,900	0	1,030	2,512	3,226	0	1,939	3,710	4,425	33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																																																																																																																																																																																																																																																																																																																			
32,850	32,900	0	1,190	2,722	3,437	0	2,099	3,921	4,635	32,900	32,950	0	1,182	2,712	3,426	0	2,091	3,910	4,625	32,950	33,000	0	1,174	2,701	3,416	0	2,083	3,900	4,614	33,000	33,050	0	1,166	2,691	3,405	0	2,075	3,889	4,604	33,050	33,100	0	1,158	2,680	3,395	0	2,067	3,879	4,593	33,100	33,150	0	1,150	2,670	3,384	0	2,059	3,868	4,582	33,150	33,200	0	1,142	2,659	3,374	0	2,051	3,857	4,572	33,200	33,250	0	1,134	2,649	3,363	0	2,043	3,847	4,561	33,250	33,300	0	1,126	2,638	3,353	0	2,035	3,836	4,551	33,300	33,350	0	1,118	2,628	3,342	0	2,027	3,826	4,540	33,350	33,400	0	1,110	2,617	3,332	0	2,019	3,815	4,530	33,400	33,450	0	1,102	2,606	3,321	0	2,011	3,805	4,519	33,450	33,500	0	1,094	2,596	3,310	0	2,003	3,794	4,509	33,500	33,550	0	1,086	2,585	3,300	0	1,995	3,784	4,498	33,550	33,600	0	1,078	2,575	3,289	0	1,987	3,773	4,488	33,600	33,650	0	1,070	2,564	3,279	0	1,979	3,763	4,477	33,650	33,700	0	1,062	2,554	3,268	0	1,971	3,752	4,467	33,700	33,750	0	1,054	2,543	3,258	0	1,963	3,742	4,456	33,750	33,800	0	1,046	2,533	3,247	0	1,955	3,731	4,446	33,800	33,850	0	1,038	2,522	3,237	0	1,947	3,721	4,435	33,850	33,900	0	1,030	2,512	3,226	0	1,939	3,710	4,425	33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																																																																																																																																																																																																																																																																																																																													
32,900	32,950	0	1,182	2,712	3,426	0	2,091	3,910	4,625	32,950	33,000	0	1,174	2,701	3,416	0	2,083	3,900	4,614	33,000	33,050	0	1,166	2,691	3,405	0	2,075	3,889	4,604	33,050	33,100	0	1,158	2,680	3,395	0	2,067	3,879	4,593	33,100	33,150	0	1,150	2,670	3,384	0	2,059	3,868	4,582	33,150	33,200	0	1,142	2,659	3,374	0	2,051	3,857	4,572	33,200	33,250	0	1,134	2,649	3,363	0	2,043	3,847	4,561	33,250	33,300	0	1,126	2,638	3,353	0	2,035	3,836	4,551	33,300	33,350	0	1,118	2,628	3,342	0	2,027	3,826	4,540	33,350	33,400	0	1,110	2,617	3,332	0	2,019	3,815	4,530	33,400	33,450	0	1,102	2,606	3,321	0	2,011	3,805	4,519	33,450	33,500	0	1,094	2,596	3,310	0	2,003	3,794	4,509	33,500	33,550	0	1,086	2,585	3,300	0	1,995	3,784	4,498	33,550	33,600	0	1,078	2,575	3,289	0	1,987	3,773	4,488	33,600	33,650	0	1,070	2,564	3,279	0	1,979	3,763	4,477	33,650	33,700	0	1,062	2,554	3,268	0	1,971	3,752	4,467	33,700	33,750	0	1,054	2,543	3,258	0	1,963	3,742	4,456	33,750	33,800	0	1,046	2,533	3,247	0	1,955	3,731	4,446	33,800	33,850	0	1,038	2,522	3,237	0	1,947	3,721	4,435	33,850	33,900	0	1,030	2,512	3,226	0	1,939	3,710	4,425	33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
32,950	33,000	0	1,174	2,701	3,416	0	2,083	3,900	4,614																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
33,000	33,050	0	1,166	2,691	3,405	0	2,075	3,889	4,604	33,050	33,100	0	1,158	2,680	3,395	0	2,067	3,879	4,593	33,100	33,150	0	1,150	2,670	3,384	0	2,059	3,868	4,582	33,150	33,200	0	1,142	2,659	3,374	0	2,051	3,857	4,572	33,200	33,250	0	1,134	2,649	3,363	0	2,043	3,847	4,561	33,250	33,300	0	1,126	2,638	3,353	0	2,035	3,836	4,551	33,300	33,350	0	1,118	2,628	3,342	0	2,027	3,826	4,540	33,350	33,400	0	1,110	2,617	3,332	0	2,019	3,815	4,530	33,400	33,450	0	1,102	2,606	3,321	0	2,011	3,805	4,519	33,450	33,500	0	1,094	2,596	3,310	0	2,003	3,794	4,509	33,500	33,550	0	1,086	2,585	3,300	0	1,995	3,784	4,498	33,550	33,600	0	1,078	2,575	3,289	0	1,987	3,773	4,488	33,600	33,650	0	1,070	2,564	3,279	0	1,979	3,763	4,477	33,650	33,700	0	1,062	2,554	3,268	0	1,971	3,752	4,467	33,700	33,750	0	1,054	2,543	3,258	0	1,963	3,742	4,456	33,750	33,800	0	1,046	2,533	3,247	0	1,955	3,731	4,446	33,800	33,850	0	1,038	2,522	3,237	0	1,947	3,721	4,435	33,850	33,900	0	1,030	2,512	3,226	0	1,939	3,710	4,425	33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
33,050	33,100	0	1,158	2,680	3,395	0	2,067	3,879	4,593	33,100	33,150	0	1,150	2,670	3,384	0	2,059	3,868	4,582	33,150	33,200	0	1,142	2,659	3,374	0	2,051	3,857	4,572	33,200	33,250	0	1,134	2,649	3,363	0	2,043	3,847	4,561	33,250	33,300	0	1,126	2,638	3,353	0	2,035	3,836	4,551	33,300	33,350	0	1,118	2,628	3,342	0	2,027	3,826	4,540	33,350	33,400	0	1,110	2,617	3,332	0	2,019	3,815	4,530	33,400	33,450	0	1,102	2,606	3,321	0	2,011	3,805	4,519	33,450	33,500	0	1,094	2,596	3,310	0	2,003	3,794	4,509	33,500	33,550	0	1,086	2,585	3,300	0	1,995	3,784	4,498	33,550	33,600	0	1,078	2,575	3,289	0	1,987	3,773	4,488	33,600	33,650	0	1,070	2,564	3,279	0	1,979	3,763	4,477	33,650	33,700	0	1,062	2,554	3,268	0	1,971	3,752	4,467	33,700	33,750	0	1,054	2,543	3,258	0	1,963	3,742	4,456	33,750	33,800	0	1,046	2,533	3,247	0	1,955	3,731	4,446	33,800	33,850	0	1,038	2,522	3,237	0	1,947	3,721	4,435	33,850	33,900	0	1,030	2,512	3,226	0	1,939	3,710	4,425	33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
33,100	33,150	0	1,150	2,670	3,384	0	2,059	3,868	4,582	33,150	33,200	0	1,142	2,659	3,374	0	2,051	3,857	4,572	33,200	33,250	0	1,134	2,649	3,363	0	2,043	3,847	4,561	33,250	33,300	0	1,126	2,638	3,353	0	2,035	3,836	4,551	33,300	33,350	0	1,118	2,628	3,342	0	2,027	3,826	4,540	33,350	33,400	0	1,110	2,617	3,332	0	2,019	3,815	4,530	33,400	33,450	0	1,102	2,606	3,321	0	2,011	3,805	4,519	33,450	33,500	0	1,094	2,596	3,310	0	2,003	3,794	4,509	33,500	33,550	0	1,086	2,585	3,300	0	1,995	3,784	4,498	33,550	33,600	0	1,078	2,575	3,289	0	1,987	3,773	4,488	33,600	33,650	0	1,070	2,564	3,279	0	1,979	3,763	4,477	33,650	33,700	0	1,062	2,554	3,268	0	1,971	3,752	4,467	33,700	33,750	0	1,054	2,543	3,258	0	1,963	3,742	4,456	33,750	33,800	0	1,046	2,533	3,247	0	1,955	3,731	4,446	33,800	33,850	0	1,038	2,522	3,237	0	1,947	3,721	4,435	33,850	33,900	0	1,030	2,512	3,226	0	1,939	3,710	4,425	33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
33,150	33,200	0	1,142	2,659	3,374	0	2,051	3,857	4,572																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
33,200	33,250	0	1,134	2,649	3,363	0	2,043	3,847	4,561	33,250	33,300	0	1,126	2,638	3,353	0	2,035	3,836	4,551	33,300	33,350	0	1,118	2,628	3,342	0	2,027	3,826	4,540	33,350	33,400	0	1,110	2,617	3,332	0	2,019	3,815	4,530	33,400	33,450	0	1,102	2,606	3,321	0	2,011	3,805	4,519	33,450	33,500	0	1,094	2,596	3,310	0	2,003	3,794	4,509	33,500	33,550	0	1,086	2,585	3,300	0	1,995	3,784	4,498	33,550	33,600	0	1,078	2,575	3,289	0	1,987	3,773	4,488	33,600	33,650	0	1,070	2,564	3,279	0	1,979	3,763	4,477	33,650	33,700	0	1,062	2,554	3,268	0	1,971	3,752	4,467	33,700	33,750	0	1,054	2,543	3,258	0	1,963	3,742	4,456	33,750	33,800	0	1,046	2,533	3,247	0	1,955	3,731	4,446	33,800	33,850	0	1,038	2,522	3,237	0	1,947	3,721	4,435	33,850	33,900	0	1,030	2,512	3,226	0	1,939	3,710	4,425	33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
33,250	33,300	0	1,126	2,638	3,353	0	2,035	3,836	4,551	33,300	33,350	0	1,118	2,628	3,342	0	2,027	3,826	4,540	33,350	33,400	0	1,110	2,617	3,332	0	2,019	3,815	4,530	33,400	33,450	0	1,102	2,606	3,321	0	2,011	3,805	4,519	33,450	33,500	0	1,094	2,596	3,310	0	2,003	3,794	4,509	33,500	33,550	0	1,086	2,585	3,300	0	1,995	3,784	4,498	33,550	33,600	0	1,078	2,575	3,289	0	1,987	3,773	4,488	33,600	33,650	0	1,070	2,564	3,279	0	1,979	3,763	4,477	33,650	33,700	0	1,062	2,554	3,268	0	1,971	3,752	4,467	33,700	33,750	0	1,054	2,543	3,258	0	1,963	3,742	4,456	33,750	33,800	0	1,046	2,533	3,247	0	1,955	3,731	4,446	33,800	33,850	0	1,038	2,522	3,237	0	1,947	3,721	4,435	33,850	33,900	0	1,030	2,512	3,226	0	1,939	3,710	4,425	33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
33,300	33,350	0	1,118	2,628	3,342	0	2,027	3,826	4,540	33,350	33,400	0	1,110	2,617	3,332	0	2,019	3,815	4,530	33,400	33,450	0	1,102	2,606	3,321	0	2,011	3,805	4,519	33,450	33,500	0	1,094	2,596	3,310	0	2,003	3,794	4,509	33,500	33,550	0	1,086	2,585	3,300	0	1,995	3,784	4,498	33,550	33,600	0	1,078	2,575	3,289	0	1,987	3,773	4,488	33,600	33,650	0	1,070	2,564	3,279	0	1,979	3,763	4,477	33,650	33,700	0	1,062	2,554	3,268	0	1,971	3,752	4,467	33,700	33,750	0	1,054	2,543	3,258	0	1,963	3,742	4,456	33,750	33,800	0	1,046	2,533	3,247	0	1,955	3,731	4,446	33,800	33,850	0	1,038	2,522	3,237	0	1,947	3,721	4,435	33,850	33,900	0	1,030	2,512	3,226	0	1,939	3,710	4,425	33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
33,350	33,400	0	1,110	2,617	3,332	0	2,019	3,815	4,530																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
33,400	33,450	0	1,102	2,606	3,321	0	2,011	3,805	4,519	33,450	33,500	0	1,094	2,596	3,310	0	2,003	3,794	4,509	33,500	33,550	0	1,086	2,585	3,300	0	1,995	3,784	4,498	33,550	33,600	0	1,078	2,575	3,289	0	1,987	3,773	4,488	33,600	33,650	0	1,070	2,564	3,279	0	1,979	3,763	4,477	33,650	33,700	0	1,062	2,554	3,268	0	1,971	3,752	4,467	33,700	33,750	0	1,054	2,543	3,258	0	1,963	3,742	4,456	33,750	33,800	0	1,046	2,533	3,247	0	1,955	3,731	4,446	33,800	33,850	0	1,038	2,522	3,237	0	1,947	3,721	4,435	33,850	33,900	0	1,030	2,512	3,226	0	1,939	3,710	4,425	33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
33,450	33,500	0	1,094	2,596	3,310	0	2,003	3,794	4,509	33,500	33,550	0	1,086	2,585	3,300	0	1,995	3,784	4,498	33,550	33,600	0	1,078	2,575	3,289	0	1,987	3,773	4,488	33,600	33,650	0	1,070	2,564	3,279	0	1,979	3,763	4,477	33,650	33,700	0	1,062	2,554	3,268	0	1,971	3,752	4,467	33,700	33,750	0	1,054	2,543	3,258	0	1,963	3,742	4,456	33,750	33,800	0	1,046	2,533	3,247	0	1,955	3,731	4,446	33,800	33,850	0	1,038	2,522	3,237	0	1,947	3,721	4,435	33,850	33,900	0	1,030	2,512	3,226	0	1,939	3,710	4,425	33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
33,500	33,550	0	1,086	2,585	3,300	0	1,995	3,784	4,498	33,550	33,600	0	1,078	2,575	3,289	0	1,987	3,773	4,488	33,600	33,650	0	1,070	2,564	3,279	0	1,979	3,763	4,477	33,650	33,700	0	1,062	2,554	3,268	0	1,971	3,752	4,467	33,700	33,750	0	1,054	2,543	3,258	0	1,963	3,742	4,456	33,750	33,800	0	1,046	2,533	3,247	0	1,955	3,731	4,446	33,800	33,850	0	1,038	2,522	3,237	0	1,947	3,721	4,435	33,850	33,900	0	1,030	2,512	3,226	0	1,939	3,710	4,425	33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
33,550	33,600	0	1,078	2,575	3,289	0	1,987	3,773	4,488																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
33,600	33,650	0	1,070	2,564	3,279	0	1,979	3,763	4,477	33,650	33,700	0	1,062	2,554	3,268	0	1,971	3,752	4,467	33,700	33,750	0	1,054	2,543	3,258	0	1,963	3,742	4,456	33,750	33,800	0	1,046	2,533	3,247	0	1,955	3,731	4,446	33,800	33,850	0	1,038	2,522	3,237	0	1,947	3,721	4,435	33,850	33,900	0	1,030	2,512	3,226	0	1,939	3,710	4,425	33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
33,650	33,700	0	1,062	2,554	3,268	0	1,971	3,752	4,467	33,700	33,750	0	1,054	2,543	3,258	0	1,963	3,742	4,456	33,750	33,800	0	1,046	2,533	3,247	0	1,955	3,731	4,446	33,800	33,850	0	1,038	2,522	3,237	0	1,947	3,721	4,435	33,850	33,900	0	1,030	2,512	3,226	0	1,939	3,710	4,425	33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
33,700	33,750	0	1,054	2,543	3,258	0	1,963	3,742	4,456	33,750	33,800	0	1,046	2,533	3,247	0	1,955	3,731	4,446	33,800	33,850	0	1,038	2,522	3,237	0	1,947	3,721	4,435	33,850	33,900	0	1,030	2,512	3,226	0	1,939	3,710	4,425	33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
33,750	33,800	0	1,046	2,533	3,247	0	1,955	3,731	4,446																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
33,800	33,850	0	1,038	2,522	3,237	0	1,947	3,721	4,435	33,850	33,900	0	1,030	2,512	3,226	0	1,939	3,710	4,425	33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
33,850	33,900	0	1,030	2,512	3,226	0	1,939	3,710	4,425	33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
33,900	33,950	0	1,022	2,501	3,216	0	1,931	3,700	4,414	33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403	34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
33,950	34,000	0	1,014	2,491	3,205	0	1,923	3,689	4,403																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
34,000	34,050	0	1,006	2,480	3,195	0	1,915	3,678	4,393	34,050	34,100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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If the amount you are looking up from the worksheet is—		And your filing status is—																	
		Single, head of household, or qualifying widow(er) and the number of children you have is—				Married filing jointly and the number of children you have is—													
		0	1	2	3	0	1	2	3										
At least	But less than	Your credit is—				Your credit is—													
37,600	37,650	0	431	1,722	2,436	0	1,340	2,920	3,635	40,800	40,850	0	0	1,048	1,763	0	828	2,246	2,961
37,650	37,700	0	423	1,711	2,426	0	1,332	2,910	3,624	40,850	40,900	0	0	1,038	1,752	0	821	2,236	2,950
37,700	37,750	0	415	1,701	2,415	0	1,324	2,899	3,614	40,900	40,950	0	0	1,027	1,741	0	813	2,225	2,940
37,750	37,800	0	407	1,690	2,405	0	1,316	2,889	3,603	40,950	41,000	0	0	1,016	1,731	0	805	2,215	2,929
37,800	37,850	0	399	1,680	2,394	0	1,308	2,878	3,593	41,000	41,050	0	0	1,006	1,720	0	797	2,204	2,919
37,850	37,900	0	391	1,669	2,384	0	1,300	2,868	3,582	41,050	41,100	0	0	995	1,710	0	789	2,194	2,908
37,900	37,950	0	383	1,659	2,373	0	1,292	2,857	3,572	41,100	41,150	0	0	985	1,699	0	781	2,183	2,898
37,950	38,000	0	375	1,648	2,363	0	1,284	2,847	3,561	41,150	41,200	0	0	974	1,689	0	773	2,173	2,887
38,000	38,050	0	367	1,638	2,352	0	1,276	2,836	3,551	41,200	41,250	0	0	964	1,678	0	765	2,162	2,877
38,050	38,100	0	359	1,627	2,342	0	1,268	2,826	3,540	41,250	41,300	0	0	953	1,668	0	757	2,152	2,866
38,100	38,150	0	351	1,617	2,331	0	1,260	2,815	3,529	41,300	41,350	0	0	943	1,657	0	749	2,141	2,856
38,150	38,200	0	343	1,606	2,321	0	1,252	2,804	3,519	41,350	41,400	0	0	932	1,647	0	741	2,131	2,845
38,200	38,250	0	335	1,596	2,310	0	1,244	2,794	3,508	41,400	41,450	0	0	922	1,636	0	733	2,120	2,835
38,250	38,300	0	327	1,585	2,300	0	1,236	2,783	3,498	41,450	41,500	0	0	911	1,626	0	725	2,109	2,824
38,300	38,350	0	319	1,575	2,289	0	1,228	2,773	3,487	41,500	41,550	0	0	901	1,615	0	717	2,099	2,813
38,350	38,400	0	311	1,564	2,279	0	1,220	2,762	3,477	41,550	41,600	0	0	890	1,605	0	709	2,088	2,803
38,400	38,450	0	303	1,553	2,268	0	1,212	2,752	3,466	41,600	41,650	0	0	880	1,594	0	701	2,078	2,792
38,450	38,500	0	295	1,543	2,257	0	1,204	2,741	3,456	41,650	41,700	0	0	869	1,584	0	693	2,067	2,782
38,500	38,550	0	287	1,532	2,247	0	1,196	2,731	3,445	41,700	41,750	0	0	859	1,573	0	685	2,057	2,771
38,550	38,600	0	279	1,522	2,236	0	1,188	2,720	3,435	41,750	41,800	0	0	848	1,562	0	677	2,046	2,761
38,600	38,650	0	271	1,511	2,226	0	1,180	2,710	3,424	41,800	41,850	0	0	837	1,552	0	669	2,036	2,750
38,650	38,700	0	263	1,501	2,215	0	1,172	2,699	3,414	41,850	41,900	0	0	827	1,541	0	661	2,025	2,740
38,700	38,750	0	255	1,490	2,205	0	1,164	2,689	3,403	41,900	41,950	0	0	816	1,531	0	653	2,015	2,729
38,750	38,800	0	247	1,480	2,194	0	1,156	2,678	3,393	41,950	42,000	0	0	806	1,520	0	645	2,004	2,719
38,800	38,850	0	239	1,469	2,184	0	1,148	2,668	3,382	42,000	42,050	0	0	795	1,510	0	637	1,994	2,708
38,850	38,900	0	231	1,459	2,173	0	1,140	2,657	3,372	42,050	42,100	0	0	785	1,499	0	629	1,983	2,698
38,900	38,950	0	223	1,448	2,163	0	1,132	2,647	3,361	42,100	42,150	0	0	774	1,489	0	621	1,973	2,687
38,950	39,000	0	215	1,438	2,152	0	1,124	2,636	3,350	42,150	42,200	0	0	764	1,478	0	613	1,962	2,677
39,000	39,050	0	207	1,427	2,142	0	1,116	2,625	3,340	42,200	42,250	0	0	753	1,468	0	605	1,952	2,666
39,050	39,100	0	199	1,417	2,131	0	1,108	2,615	3,329	42,250	42,300	0	0	743	1,457	0	597	1,941	2,655
39,100	39,150	0	191	1,406	2,121	0	1,100	2,604	3,319	42,300	42,350	0	0	732	1,447	0	589	1,930	2,645
39,150	39,200	0	183	1,396	2,110	0	1,092	2,594	3,308	42,350	42,400	0	0	722	1,436	0	581	1,920	2,634
39,200	39,250	0	175	1,385	2,100	0	1,084	2,583	3,298	42,400	42,450	0	0	711	1,426	0	573	1,909	2,624
39,250	39,300	0	167	1,374	2,089	0	1,076	2,573	3,287	42,450	42,500	0	0	701	1,415	0	565	1,899	2,613
39,300	39,350	0	159	1,364	2,078	0	1,068	2,562	3,277	42,500	42,550	0	0	690	1,405	0	557	1,888	2,603
39,350	39,400	0	151	1,353	2,068	0	1,060	2,552	3,266	42,550	42,600	0	0	680	1,394	0	549	1,878	2,592
39,400	39,450	0	143	1,343	2,057	0	1,052	2,541	3,256	42,600	42,650	0	0	669	1,383	0	541	1,867	2,582
39,450	39,500	0	135	1,332	2,047	0	1,044	2,531	3,245	42,650	42,700	0	0	658	1,373	0	533	1,857	2,571
39,500	39,550	0	127	1,322	2,036	0	1,036	2,520	3,235	42,700	42,750	0	0	648	1,362	0	525	1,846	2,561
39,550	39,600	0	119	1,311	2,026	0	1,028	2,510	3,224	42,750	42,800	0	0	637	1,352	0	517	1,836	2,550
39,600	39,650	0	111	1,301	2,015	0	1,020	2,499	3,214	42,800	42,850	0	0	627	1,341	0	509	1,825	2,540
39,650	39,700	0	103	1,290	2,005	0	1,012	2,489	3,203	42,850	42,900	0	0	616	1,331	0	501	1,815	2,529
39,700	39,750	0	95	1,280	1,994	0	1,004	2,478	3,193	42,900	42,950	0	0	606	1,320	0	493	1,804	2,519
39,750	39,800	0	87	1,269	1,984	0	996	2,467	3,182	42,950	43,000	0	0	595	1,310	0	485	1,794	2,508
39,800	39,850	0	79	1,259	1,973	0	988	2,457	3,171	43,000	43,050	0	0	585	1,299	0	477	1,783	2,498
39,850	39,900	0	71	1,248	1,963	0	980	2,446	3,161	43,050	43,100	0	0	574	1,289	0	469	1,773	2,487
39,900	39,950	0	63	1,238	1,952	0	972	2,436	3,150	43,100	43,150	0	0	564	1,278	0	461	1,762	2,476
39,950	40,000	0	55	1,227	1,942	0	964	2,425	3,140	43,150	43,200	0	0	553	1,268	0	453	1,751	2,466
40,000	40,050	0	47	1,217	1,931	0	956	2,415	3,129	43,200	43,250	0	0	543	1,257	0	445	1,741	2,455
40,050	40,100	0	39	1,206	1,921	0	948	2,404	3,119	43,250	43,300	0	0	532	1,247	0	437	1,730	2,445
40,100	40,150	0	31	1,195	1,910	0	940	2,394	3,108	43,300	43,350	0	0	522	1,236	0	429	1,720	2,434
40,150	40,200	0	23	1,185	1,899	0	932	2,383	3,098	43,350	43,400	0	0	511	1,226	0	421	1,709	2,424
40,200	40,250	0	15	1,174	1,889	0	924	2,373	3,087	43,400	43,450	0	0	500	1,215	0	413	1,699	2,413
40,250	40,300	0	7	1,164	1,878	0	916	2,362	3,077	43,450	43,500	0	0	490	1,204	0	405	1,688	2,403
40,300	40,350	0	*	1,153	1,868	0	908	2,352	3,066	43,500	43,550	0	0	479	1,194	0	397	1,678	2,392
40,350	40,400	0	0	1,143	1,857	0	900	2,341	3,056	43,550	43,600	0	0	469	1,183	0	389	1,667	2,382
40,400	40,450	0	0	1,132	1,847	0	892	2,331	3,045	43,600	43,650	0	0	458	1,173	0	381	1,657	2,371
40,450	40,500	0	0	1,122	1,836	0	884	2,320	3,035	43,650	43,700	0	0	448	1,162	0	373	1,646	2,361
40,500	40,550	0	0	1,111	1,826	0	876	2,310	3,024	43,700	43,750	0	0	437	1,152	0	365	1,636	2,350
40,550	40,600	0	0	1,101	1,815	0	868	2,299	3,014	43,750	43,800	0	0	427	1,141	0	357	1,625	2,340
40,600	40,650	0	0	1,090	1,805	0	860	2,288	3,003	43,800	43,850	0	0	416	1,131	0	349	1,615	2,329
40,650	40,700	0	0	1,080	1,794	0	852	2,278	2,992	43,850	43,900	0	0	406	1,120	0	341	1,604	2,319
40,700	40,750	0	0	1,069	1,784	0	844	2,267	2,982	43,900	43,950	0	0	395	1,110	0	333	1,594	2,308
40,750	40,800	0	0	1,059	1,773	0	836	2,257	2,971	43,950	44,000	0	0	385	1,099	0	325	1,583	2,297

* If the amount you are looking up from the worksheet is at least \$40,300 but less than \$40,320, and you have one qualifying child, your credit is \$2. If the amount you are looking up from the worksheet is \$40,320 or more, and you have one qualifying child, you can't take the credit.

If the amount you are looking up from the worksheet is—		And your filing status is—								If the amount you are looking up from the worksheet is—		And your filing status is—							
		Single, head of household, or qualifying widow(er) and the number of children you have is—				Married filing jointly and the number of children you have is—						Single, head of household, or qualifying widow(er) and the number of children you have is—				Married filing jointly and the number of children you have is—			
		0	1	2	3	0	1	2	3			0	1	2	3	0	1	2	3
At least	But less than	Your credit is—				Your credit is—				At least	But less than	Your credit is—				Your credit is—			
44,000	44,050	0	0	374	1,089	0	317	1,572	2,287	46,800	46,850	0	0	0	499	0	0	983	1,697
44,050	44,100	0	0	364	1,078	0	309	1,562	2,276	46,850	46,900	0	0	0	488	0	0	972	1,687
44,100	44,150	0	0	353	1,068	0	301	1,551	2,266	46,900	46,950	0	0	0	478	0	0	962	1,676
44,150	44,200	0	0	343	1,057	0	293	1,541	2,255	46,950	47,000	0	0	0	467	0	0	951	1,666
44,200	44,250	0	0	332	1,047	0	285	1,530	2,245	47,000	47,050	0	0	0	457	0	0	941	1,655
44,250	44,300	0	0	321	1,036	0	277	1,520	2,234	47,050	47,100	0	0	0	446	0	0	930	1,645
44,300	44,350	0	0	311	1,025	0	269	1,509	2,224	47,100	47,150	0	0	0	436	0	0	920	1,634
44,350	44,400	0	0	300	1,015	0	261	1,499	2,213	47,150	47,200	0	0	0	425	0	0	909	1,624
44,400	44,450	0	0	290	1,004	0	253	1,488	2,203	47,200	47,250	0	0	0	415	0	0	899	1,613
44,450	44,500	0	0	279	994	0	245	1,478	2,192	47,250	47,300	0	0	0	404	0	0	888	1,602
44,500	44,550	0	0	269	983	0	237	1,467	2,182	47,300	47,350	0	0	0	394	0	0	877	1,592
44,550	44,600	0	0	258	973	0	229	1,457	2,171	47,350	47,400	0	0	0	383	0	0	867	1,581
44,600	44,650	0	0	248	962	0	221	1,446	2,161	47,400	47,450	0	0	0	373	0	0	856	1,571
44,650	44,700	0	0	237	952	0	213	1,436	2,150	47,450	47,500	0	0	0	362	0	0	846	1,560
44,700	44,750	0	0	227	941	0	205	1,425	2,140	47,500	47,550	0	0	0	352	0	0	835	1,550
44,750	44,800	0	0	216	931	0	197	1,414	2,129	47,550	47,600	0	0	0	341	0	0	825	1,539
44,800	44,850	0	0	206	920	0	189	1,404	2,118	47,600	47,650	0	0	0	330	0	0	814	1,529
44,850	44,900	0	0	195	910	0	181	1,393	2,108	47,650	47,700	0	0	0	320	0	0	804	1,518
44,900	44,950	0	0	185	899	0	173	1,383	2,097	47,700	47,750	0	0	0	309	0	0	793	1,508
44,950	45,000	0	0	174	889	0	165	1,372	2,087	47,750	47,800	0	0	0	299	0	0	783	1,497
45,000	45,050	0	0	164	878	0	157	1,362	2,076	47,800	47,850	0	0	0	288	0	0	772	1,487
45,050	45,100	0	0	153	868	0	149	1,351	2,066	47,850	47,900	0	0	0	278	0	0	762	1,476
45,100	45,150	0	0	142	857	0	141	1,341	2,055	47,900	47,950	0	0	0	267	0	0	751	1,466
45,150	45,200	0	0	132	846	0	133	1,330	2,045	47,950	48,000	0	0	0	257	0	0	741	1,455
45,200	45,250	0	0	121	836	0	125	1,320	2,034	48,000	48,050	0	0	0	246	0	0	730	1,445
45,250	45,300	0	0	111	825	0	117	1,309	2,024	48,050	48,100	0	0	0	236	0	0	720	1,434
45,300	45,350	0	0	100	815	0	109	1,299	2,013	48,100	48,150	0	0	0	225	0	0	709	1,423
45,350	45,400	0	0	90	804	0	101	1,288	2,003	48,150	48,200	0	0	0	215	0	0	698	1,413
45,400	45,450	0	0	79	794	0	93	1,278	1,992	48,200	48,250	0	0	0	204	0	0	688	1,402
45,450	45,500	0	0	69	783	0	85	1,267	1,982	48,250	48,300	0	0	0	194	0	0	677	1,392
45,500	45,550	0	0	58	773	0	77	1,257	1,971	48,300	48,350	0	0	0	183	0	0	667	1,381
45,550	45,600	0	0	48	762	0	69	1,246	1,961	48,350	48,400	0	0	0	173	0	0	656	1,371
45,600	45,650	0	0	37	752	0	61	1,235	1,950	48,400	48,450	0	0	0	162	0	0	646	1,360
45,650	45,700	0	0	27	741	0	53	1,225	1,939	48,450	48,500	0	0	0	151	0	0	635	1,350
45,700	45,750	0	0	16	731	0	45	1,214	1,929	48,500	48,550	0	0	0	141	0	0	625	1,339
45,750	45,800	0	0	6	720	0	37	1,204	1,918	48,550	48,600	0	0	0	130	0	0	614	1,329
45,800	45,850	0	0	*	710	0	29	1,193	1,908	48,600	48,650	0	0	0	120	0	0	604	1,318
45,850	45,900	0	0	0	699	0	22	1,183	1,897	48,650	48,700	0	0	0	109	0	0	593	1,308
45,900	45,950	0	0	0	688	0	14	1,172	1,887	48,700	48,750	0	0	0	99	0	0	583	1,297
45,950	46,000	0	0	0	678	0	6	1,162	1,876	48,750	48,800	0	0	0	88	0	0	572	1,287
46,000	46,050	0	0	0	667	0	**	1,151	1,866	48,800	48,850	0	0	0	78	0	0	562	1,276
46,050	46,100	0	0	0	657	0	0	1,141	1,855	48,850	48,900	0	0	0	67	0	0	551	1,266
46,100	46,150	0	0	0	646	0	0	1,130	1,845	48,900	48,950	0	0	0	57	0	0	541	1,255
46,150	46,200	0	0	0	636	0	0	1,120	1,834	48,950	49,000	0	0	0	46	0	0	530	1,244
46,200	46,250	0	0	0	625	0	0	1,109	1,824	49,000	49,050	0	0	0	36	0	0	519	1,234
46,250	46,300	0	0	0	615	0	0	1,099	1,813	49,050	49,100	0	0	0	25	0	0	509	1,223
46,300	46,350	0	0	0	604	0	0	1,088	1,803	49,100	49,150	0	0	0	15	0	0	498	1,213
46,350	46,400	0	0	0	594	0	0	1,078	1,792	49,150	49,200	0	0	0	***	0	0	488	1,202
46,400	46,450	0	0	0	583	0	0	1,067	1,782	49,200	49,250	0	0	0	0	0	0	477	1,192
46,450	46,500	0	0	0	573	0	0	1,056	1,771	49,250	49,300	0	0	0	0	0	0	467	1,181
46,500	46,550	0	0	0	562	0	0	1,046	1,760	49,300	49,350	0	0	0	0	0	0	456	1,171
46,550	46,600	0	0	0	552	0	0	1,035	1,750	49,350	49,400	0	0	0	0	0	0	446	1,160
46,600	46,650	0	0	0	541	0	0	1,025	1,739	49,400	49,450	0	0	0	0	0	0	435	1,150
46,650	46,700	0	0	0	531	0	0	1,014	1,729	49,450	49,500	0	0	0	0	0	0	425	1,139
46,700	46,750	0	0	0	520	0	0	1,004	1,718	49,500	49,550	0	0	0	0	0	0	414	1,129
46,750	46,800	0	0	0	509	0	0	993	1,708	49,550	49,600	0	0	0	0	0	0	404	1,118

- * If the amount you are looking up from the worksheet is at least \$45,800 but less than \$45,802, and you have two qualifying children, your credit is \$0. If the amount you are looking up from the worksheet is \$45,802 or more, and you have two qualifying children, you can't take the credit.
- ** If the amount you are looking up from the worksheet is at least \$46,000 but less than \$46,010, and you have one qualifying child, your credit is \$1. If the amount you are looking up from the worksheet is \$46,010 or more, and you have one qualifying child, you can't take the credit.
- *** If the amount you are looking up from the worksheet is at least \$49,150 but less than \$49,194, and you have three or more qualifying children, your credit is \$5. If the amount you are looking up from the worksheet is \$49,194 or more, and you have three or more qualifying children, you can't take the credit.

(Continued)

If the amount you are looking up from the worksheet is-		And your filing status is-																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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49,600	49,650	0	0	0	0	0	0	393	1,108	<table border="1"> <thead> <tr> <th colspan="2" rowspan="3">If the amount you are looking up from the worksheet is-</th> <th colspan="8">And your filing status is-</th> </tr> <tr> <th colspan="4">Single, head of household, or qualifying widow(er) and the number of children you have is-</th> <th colspan="4">Married filing jointly and the number of children you have is-</th> </tr> <tr> <th>0</th><th>1</th><th>2</th><th>3</th> <th>0</th><th>1</th><th>2</th><th>3</th> </tr> <tr> <th>At least</th><th>But less than</th> <th colspan="4">Your credit is-</th> <th colspan="4">Your credit is-</th> </tr> </thead> <tbody> <tr> <td>52,400</td><td>52,450</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>518</td> <tr> <td>52,450</td><td>52,500</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>507</td> <tr> <td>52,500</td><td>52,550</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>497</td> <tr> <td>52,550</td><td>52,600</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>486</td> <tr> <td>52,600</td><td>52,650</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>476</td> <tr> <td>52,650</td><td>52,700</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>465</td> <tr> <td>52,700</td><td>52,750</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>455</td> <tr> <td>52,750</td><td>52,800</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>444</td> <tr> <td>52,800</td><td>52,850</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>434</td> <tr> <td>52,850</td><td>52,900</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>423</td> <tr> <td>52,900</td><td>52,950</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>413</td> <tr> <td>52,950</td><td>53,000</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>402</td> <tr> <td>53,000</td><td>53,050</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>392</td> <tr> <td>53,050</td><td>53,100</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>381</td> <tr> <td>53,100</td><td>53,150</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>370</td> <tr> <td>53,150</td><td>53,200</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>360</td> <tr> <td>53,200</td><td>53,250</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>349</td> <tr> <td>53,250</td><td>53,300</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>339</td> <tr> <td>53,300</td><td>53,350</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>328</td> <tr> <td>53,350</td><td>53,400</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>318</td> <tr> <td>53,400</td><td>53,450</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>307</td> <tr> <td>53,450</td><td>53,500</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>297</td> <tr> <td>53,500</td><td>53,550</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>286</td> <tr> <td>53,550</td><td>53,600</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>276</td> <tr> <td>53,600</td><td>53,650</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>265</td> <tr> <td>53,650</td><td>53,700</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>255</td> <tr> <td>53,700</td><td>53,750</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>244</td> <tr> <td>53,750</td><td>53,800</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>234</td> <tr> <td>53,800</td><td>53,850</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>223</td> <tr> <td>53,850</td><td>53,900</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>213</td> <tr> <td>53,900</td><td>53,950</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>202</td> <tr> <td>53,950</td><td>54,000</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>191</td> <tr> <td>54,000</td><td>54,050</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>181</td> <tr> <td>54,050</td><td>54,100</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>170</td> <tr> <td>54,100</td><td>54,150</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>160</td> <tr> <td>54,150</td><td>54,200</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>149</td> <tr> <td>54,200</td><td>54,250</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>139</td> <tr> <td>54,250</td><td>54,300</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>128</td> <tr> <td>54,300</td><td>54,350</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>118</td> <tr> <td>54,350</td><td>54,400</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>107</td> <tr> <td>54,400</td><td>54,450</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>97</td> <tr> <td>54,450</td><td>54,500</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>86</td> <tr> <td>54,500</td><td>54,550</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>76</td> <tr> <td>54,550</td><td>54,600</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>65</td> <tr> <td>54,600</td><td>54,650</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>55</td> <tr> <td>54,650</td><td>54,700</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>44</td> <tr> <td>54,700</td><td>54,750</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>34</td> <tr> <td>54,750</td><td>54,800</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>23</td> <tr> <td>54,800</td><td>54,850</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>12</td> <tr> <td>54,850</td><td>54,884</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>4</td> 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is-				52,400	52,450	0	0	0	0	0	0	0	518	52,450	52,500	0	0	0	0	0	0	0	507	52,500	52,550	0	0	0	0	0	0	0	497	52,550	52,600	0	0	0	0	0	0	0	486	52,600	52,650	0	0	0	0	0	0	0	476	52,650	52,700	0	0	0	0	0	0	0	465	52,700	52,750	0	0	0	0	0	0	0	455	52,750	52,800	0	0	0	0	0	0	0	444	52,800	52,850	0	0	0	0	0	0	0	434	52,850	52,900	0	0	0	0	0	0	0	423	52,900	52,950	0	0	0	0	0	0	0	413	52,950	53,000	0	0	0	0	0	0	0	402	53,000	53,050	0	0	0	0	0	0	0	392	53,050	53,100	0	0	0	0	0	0	0	381	53,100	53,150	0	0	0	0	0	0	0	370	53,150	53,200	0	0	0	0	0	0	0	360	53,200	53,250	0	0	0	0	0	0	0	349	53,250	53,300	0	0	0	0	0	0	0	339	53,300	53,350	0	0	0	0	0	0	0	328	53,350	53,400	0	0	0	0	0	0	0	318	53,400	53,450	0	0	0	0	0	0	0	307	53,450	53,500	0	0	0	0	0	0	0	297	53,500	53,550	0	0	0	0	0	0	0	286	53,550	53,600	0	0	0	0	0	0	0	276	53,600	53,650	0	0	0	0	0	0	0	265	53,650	53,700	0	0	0	0	0	0	0	255	53,700	53,750	0	0	0	0	0	0	0	244	53,750	53,800	0	0	0	0	0	0	0	234	53,800	53,850	0	0	0	0	0	0	0	223	53,850	53,900	0	0	0	0	0	0	0	213	53,900	53,950	0	0	0	0	0	0	0	202	53,950	54,000	0	0	0	0	0	0	0	191	54,000	54,050	0	0	0	0	0	0	0	181	54,050	54,100	0	0	0	0	0	0	0	170	54,100	54,150	0	0	0	0	0	0	0	160	54,150	54,200	0	0	0	0	0	0	0	149	54,200	54,250	0	0	0	0	0	0	0	139	54,250	54,300	0	0	0	0	0	0	0	128	54,300	54,350	0	0	0	0	0	0	0	118	54,350	54,400	0	0	0	0	0	0	0	107	54,400	54,450	0	0	0	0	0	0	0	97	54,450	54,500	0	0	0	0	0	0	0	86	54,500	54,550	0	0	0	0	0	0	0	76	54,550	54,600	0	0	0	0	0	0	0	65	54,600	54,650	0	0	0	0	0	0	0	55	54,650	54,700	0	0	0	0	0	0	0	44	54,700	54,750	0	0	0	0	0	0	0	34	54,750	54,800	0	0	0	0	0	0	0	23	54,800	54,850	0	0	0	0	0	0	0	12	54,850	54,884	0	0	0	0	0	0	0	4
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52,400	52,450	0	0	0	0	0	0	0	518		52,450	52,500	0	0	0	0	0	0	0	507	52,500	52,550	0	0	0	0	0	0	0	497	52,550	52,600	0	0	0	0	0	0	0	486	52,600	52,650	0	0	0	0	0	0	0	476	52,650	52,700	0	0	0	0	0	0	0	465	52,700	52,750	0	0	0	0	0	0	0	455	52,750	52,800	0	0	0	0	0	0	0	444	52,800	52,850	0	0	0	0	0	0	0	434	52,850	52,900	0	0	0	0	0	0	0	423	52,900	52,950	0	0	0	0	0	0	0	413	52,950	53,000	0	0	0	0	0	0	0	402	53,000	53,050	0	0	0	0	0	0	0	392	53,050	53,100	0	0	0	0	0	0	0	381	53,100	53,150	0	0	0	0	0	0	0	370	53,150	53,200	0	0	0	0	0	0	0	360	53,200	53,250	0	0	0	0	0	0	0	349	53,250	53,300	0	0	0	0	0	0	0	339	53,300	53,350	0	0	0	0	0	0	0	328	53,350	53,400	0	0	0	0	0	0	0	318	53,400	53,450	0	0	0	0	0	0	0	307	53,450	53,500	0	0	0	0	0	0	0	297	53,500	53,550	0	0	0	0	0	0	0	286	53,550	53,600	0	0	0	0	0	0	0	276	53,600	53,650	0	0	0	0	0	0	0	265	53,650	53,700	0	0	0	0	0	0	0	255	53,700	53,750	0	0	0	0	0	0	0	244	53,750	53,800	0	0	0	0	0	0	0	234	53,800	53,850	0	0	0	0	0	0	0	223	53,850	53,900	0	0	0	0	0	0	0	213	53,900	53,950	0	0	0	0	0	0	0	202	53,950	54,000	0	0	0	0	0	0	0	191	54,000	54,050	0	0	0	0	0	0	0	181	54,050	54,100	0	0	0	0	0	0	0	170	54,100	54,150	0	0	0	0	0	0	0	160	54,150	54,200	0	0	0	0	0	0	0	149	54,200	54,250	0	0	0	0	0	0	0	139	54,250	54,300	0	0	0	0	0	0	0	128	54,300	54,350	0	0	0	0	0	0	0	118	54,350	54,400	0	0	0	0	0	0	0	107	54,400	54,450	0	0	0	0	0	0	0	97	54,450	54,500	0	0	0	0	0	0	0	86	54,500	54,550	0	0	0	0	0	0	0	76	54,550	54,600	0	0	0	0	0	0	0	65	54,600	54,650	0	0	0	0	0	0	0	55	54,650	54,700	0	0	0	0	0	0	0	44	54,700	54,750	0	0	0	0	0	0	0	34	54,750	54,800	0	0	0	0	0	0	0	23	54,800	54,850	0	0	0	0	0	0	0	12	54,850	54,884	0	0	0	0	0	0	0	4																																														
52,450	52,500	0	0	0	0	0	0	0	507		52,500	52,550	0	0	0	0	0	0	0	497	52,550	52,600	0	0	0	0	0	0	0	486	52,600	52,650	0	0	0	0	0	0	0	476	52,650	52,700	0	0	0	0	0	0	0	465	52,700	52,750	0	0	0	0	0	0	0	455	52,750	52,800	0	0	0	0	0	0	0	444	52,800	52,850	0	0	0	0	0	0	0	434	52,850	52,900	0	0	0	0	0	0	0	423	52,900	52,950	0	0	0	0	0	0	0	413	52,950	53,000	0	0	0	0	0	0	0	402	53,000	53,050	0	0	0	0	0	0	0	392	53,050	53,100	0	0	0	0	0	0	0	381	53,100	53,150	0	0	0	0	0	0	0	370	53,150	53,200	0	0	0	0	0	0	0	360	53,200	53,250	0	0	0	0	0	0	0	349	53,250	53,300	0	0	0	0	0	0	0	339	53,300	53,350	0	0	0	0	0	0	0	328	53,350	53,400	0	0	0	0	0	0	0	318	53,400	53,450	0	0	0	0	0	0	0	307	53,450	53,500	0	0	0	0	0	0	0	297	53,500	53,550	0	0	0	0	0	0	0	286	53,550	53,600	0	0	0	0	0	0	0	276	53,600	53,650	0	0	0	0	0	0	0	265	53,650	53,700	0	0	0	0	0	0	0	255	53,700	53,750	0	0	0	0	0	0	0	244	53,750	53,800	0	0	0	0	0	0	0	234	53,800	53,850	0	0	0	0	0	0	0	223	53,850	53,900	0	0	0	0	0	0	0	213	53,900	53,950	0	0	0	0	0	0	0	202	53,950	54,000	0	0	0	0	0	0	0	191	54,000	54,050	0	0	0	0	0	0	0	181	54,050	54,100	0	0	0	0	0	0	0	170	54,100	54,150	0	0	0	0	0	0	0	160	54,150	54,200	0	0	0	0	0	0	0	149	54,200	54,250	0	0	0	0	0	0	0	139	54,250	54,300	0	0	0	0	0	0	0	128	54,300	54,350	0	0	0	0	0	0	0	118	54,350	54,400	0	0	0	0	0	0	0	107	54,400	54,450	0	0	0	0	0	0	0	97	54,450	54,500	0	0	0	0	0	0	0	86	54,500	54,550	0	0	0	0	0	0	0	76	54,550	54,600	0	0	0	0	0	0	0	65	54,600	54,650	0	0	0	0	0	0	0	55	54,650	54,700	0	0	0	0	0	0	0	44	54,700	54,750	0	0	0	0	0	0	0	34	54,750	54,800	0	0	0	0	0	0	0	23	54,800	54,850	0	0	0	0	0	0	0	12	54,850	54,884	0	0	0	0	0	0	0	4																																																								
52,500	52,550	0	0	0	0	0	0	0	497		52,550	52,600	0	0	0	0	0	0	0	486	52,600	52,650	0	0	0	0	0	0	0	476	52,650	52,700	0	0	0	0	0	0	0	465	52,700	52,750	0	0	0	0	0	0	0	455	52,750	52,800	0	0	0	0	0	0	0	444	52,800	52,850	0	0	0	0	0	0	0	434	52,850	52,900	0	0	0	0	0	0	0	423	52,900	52,950	0	0	0	0	0	0	0	413	52,950	53,000	0	0	0	0	0	0	0	402	53,000	53,050	0	0	0	0	0	0	0	392	53,050	53,100	0	0	0	0	0	0	0	381	53,100	53,150	0	0	0	0	0	0	0	370	53,150	53,200	0	0	0	0	0	0	0	360	53,200	53,250	0	0	0	0	0	0	0	349	53,250	53,300	0	0	0	0	0	0	0	339	53,300	53,350	0	0	0	0	0	0	0	328	53,350	53,400	0	0	0	0	0	0	0	318	53,400	53,450	0	0	0	0	0	0	0	307	53,450	53,500	0	0	0	0	0	0	0	297	53,500	53,550	0	0	0	0	0	0	0	286	53,550	53,600	0	0	0	0	0	0	0	276	53,600	53,650	0	0	0	0	0	0	0	265	53,650	53,700	0	0	0	0	0	0	0	255	53,700	53,750	0	0	0	0	0	0	0	244	53,750	53,800	0	0	0	0	0	0	0	234	53,800	53,850	0	0	0	0	0	0	0	223	53,850	53,900	0	0	0	0	0	0	0	213	53,900	53,950	0	0	0	0	0	0	0	202	53,950	54,000	0	0	0	0	0	0	0	191	54,000	54,050	0	0	0	0	0	0	0	181	54,050	54,100	0	0	0	0	0	0	0	170	54,100	54,150	0	0	0	0	0	0	0	160	54,150	54,200	0	0	0	0	0	0	0	149	54,200	54,250	0	0	0	0	0	0	0	139	54,250	54,300	0	0	0	0	0	0	0	128	54,300	54,350	0	0	0	0	0	0	0	118	54,350	54,400	0	0	0	0	0	0	0	107	54,400	54,450	0	0	0	0	0	0	0	97	54,450	54,500	0	0	0	0	0	0	0	86	54,500	54,550	0	0	0	0	0	0	0	76	54,550	54,600	0	0	0	0	0	0	0	65	54,600	54,650	0	0	0	0	0	0	0	55	54,650	54,700	0	0	0	0	0	0	0	44	54,700	54,750	0	0	0	0	0	0	0	34	54,750	54,800	0	0	0	0	0	0	0	23	54,800	54,850	0	0	0	0	0	0	0	12	54,850	54,884	0	0	0	0	0	0	0	4																																																																		
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52,600	52,650	0	0	0	0	0	0	0	476		52,650	52,700	0	0	0	0	0	0	0	465	52,700	52,750	0	0	0	0	0	0	0	455	52,750	52,800	0	0	0	0	0	0	0	444	52,800	52,850	0	0	0	0	0	0	0	434	52,850	52,900	0	0	0	0	0	0	0	423	52,900	52,950	0	0	0	0	0	0	0	413	52,950	53,000	0	0	0	0	0	0	0	402	53,000	53,050	0	0	0	0	0	0	0	392	53,050	53,100	0	0	0	0	0	0	0	381	53,100	53,150	0	0	0	0	0	0	0	370	53,150	53,200	0	0	0	0	0	0	0	360	53,200	53,250	0	0	0	0	0	0	0	349	53,250	53,300	0	0	0	0	0	0	0	339	53,300	53,350	0	0	0	0	0	0	0	328	53,350	53,400	0	0	0	0	0	0	0	318	53,400	53,450	0	0	0	0	0	0	0	307	53,450	53,500	0	0	0	0	0	0	0	297	53,500	53,550	0	0	0	0	0	0	0	286	53,550	53,600	0	0	0	0	0	0	0	276	53,600	53,650	0	0	0	0	0	0	0	265	53,650	53,700	0	0	0	0	0	0	0	255	53,700	53,750	0	0	0	0	0	0	0	244	53,750	53,800	0	0	0	0	0	0	0	234	53,800	53,850	0	0	0	0	0	0	0	223	53,850	53,900	0	0	0	0	0	0	0	213	53,900	53,950	0	0	0	0	0	0	0	202	53,950	54,000	0	0	0	0	0	0	0	191	54,000	54,050	0	0	0	0	0	0	0	181	54,050	54,100	0	0	0	0	0	0	0	170	54,100	54,150	0	0	0	0	0	0	0	160	54,150	54,200	0	0	0	0	0	0	0	149	54,200	54,250	0	0	0	0	0	0	0	139	54,250	54,300	0	0	0	0	0	0	0	128	54,300	54,350	0	0	0	0	0	0	0	118	54,350	54,400	0	0	0	0	0	0	0	107	54,400	54,450	0	0	0	0	0	0	0	97	54,450	54,500	0	0	0	0	0	0	0	86	54,500	54,550	0	0	0	0	0	0	0	76	54,550	54,600	0	0	0	0	0	0	0	65	54,600	54,650	0	0	0	0	0	0	0	55	54,650	54,700	0	0	0	0	0	0	0	44	54,700	54,750	0	0	0	0	0	0	0	34	54,750	54,800	0	0	0	0	0	0	0	23	54,800	54,850	0	0	0	0	0	0	0	12	54,850	54,884	0	0	0	0	0	0	0	4																																																																																						
52,650	52,700	0	0	0	0	0	0	0	465		52,700	52,750	0	0	0	0	0	0	0	455	52,750	52,800	0	0	0	0	0	0	0	444	52,800	52,850	0	0	0	0	0	0	0	434	52,850	52,900	0	0	0	0	0	0	0	423	52,900	52,950	0	0	0	0	0	0	0	413	52,950	53,000	0	0	0	0	0	0	0	402	53,000	53,050	0	0	0	0	0	0	0	392	53,050	53,100	0	0	0	0	0	0	0	381	53,100	53,150	0	0	0	0	0	0	0	370	53,150	53,200	0	0	0	0	0	0	0	360	53,200	53,250	0	0	0	0	0	0	0	349	53,250	53,300	0	0	0	0	0	0	0	339	53,300	53,350	0	0	0	0	0	0	0	328	53,350	53,400	0	0	0	0	0	0	0	318	53,400	53,450	0	0	0	0	0	0	0	307	53,450	53,500	0	0	0	0	0	0	0	297	53,500	53,550	0	0	0	0	0	0	0	286	53,550	53,600	0	0	0	0	0	0	0	276	53,600	53,650	0	0	0	0	0	0	0	265	53,650	53,700	0	0	0	0	0	0	0	255	53,700	53,750	0	0	0	0	0	0	0	244	53,750	53,800	0	0	0	0	0	0	0	234	53,800	53,850	0	0	0	0	0	0	0	223	53,850	53,900	0	0	0	0	0	0	0	213	53,900	53,950	0	0	0	0	0	0	0	202	53,950	54,000	0	0	0	0	0	0	0	191	54,000	54,050	0	0	0	0	0	0	0	181	54,050	54,100	0	0	0	0	0	0	0	170	54,100	54,150	0	0	0	0	0	0	0	160	54,150	54,200	0	0	0	0	0	0	0	149	54,200	54,250	0	0	0	0	0	0	0	139	54,250	54,300	0	0	0	0	0	0	0	128	54,300	54,350	0	0	0	0	0	0	0	118	54,350	54,400	0	0	0	0	0	0	0	107	54,400	54,450	0	0	0	0	0	0	0	97	54,450	54,500	0	0	0	0	0	0	0	86	54,500	54,550	0	0	0	0	0	0	0	76	54,550	54,600	0	0	0	0	0	0	0	65	54,600	54,650	0	0	0	0	0	0	0	55	54,650	54,700	0	0	0	0	0	0	0	44	54,700	54,750	0	0	0	0	0	0	0	34	54,750	54,800	0	0	0	0	0	0	0	23	54,800	54,850	0	0	0	0	0	0	0	12	54,850	54,884	0	0	0	0	0	0	0	4																																																																																																
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53,800	53,850	0	0	0	0	0	0	0	223	53,850	53,900	0	0	0	0	0	0	0	213	53,900	53,950	0	0	0	0	0	0	0	202	53,950	54,000	0	0	0	0	0	0	0	191	54,000	54,050	0	0	0	0	0	0	0	181	54,050	54,100	0	0	0	0	0	0	0	170	54,100	54,150	0	0	0	0	0	0	0	160	54,150	54,200	0	0	0	0	0	0	0	149	54,200	54,250	0	0	0	0	0	0	0	139	54,250	54,300	0	0	0	0	0	0	0	128	54,300	54,350	0	0	0	0	0	0	0	118	54,350	54,400	0	0	0	0	0	0	0	107	54,400	54,450	0	0	0	0	0	0	0	97	54,450	54,500	0	0	0	0	0	0	0	86	54,500	54,550	0	0	0	0	0	0	0	76	54,550	54,600	0	0	0	0	0	0	0	65	54,600	54,650	0	0	0	0	0	0	0	55	54,650	54,700	0	0	0	0	0	0	0	44	54,700	54,750	0	0	0	0	0	0	0	34	54,750	54,800	0	0	0	0	0	0	0	23	54,800	54,850	0	0	0	0	0	0	0	12	54,850	54,884	0	0	0	0	0	0	0	4																																																																																																																																																																																																																																																																																																																																							
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53,900	53,950	0	0	0	0	0	0	0	202	53,950	54,000	0	0	0	0	0	0	0	191	54,000	54,050	0	0	0	0	0	0	0	181	54,050	54,100	0	0	0	0	0	0	0	170	54,100	54,150	0	0	0	0	0	0	0	160	54,150	54,200	0	0	0	0	0	0	0	149	54,200	54,250	0	0	0	0	0	0	0	139	54,250	54,300	0	0	0	0	0	0	0	128	54,300	54,350	0	0	0	0	0	0	0	118	54,350	54,400	0	0	0	0	0	0	0	107	54,400	54,450	0	0	0	0	0	0	0	97	54,450	54,500	0	0	0	0	0	0	0	86	54,500	54,550	0	0	0	0	0	0	0	76	54,550	54,600	0	0	0	0	0	0	0	65	54,600	54,650	0	0	0	0	0	0	0	55	54,650	54,700	0	0	0	0	0	0	0	44	54,700	54,750	0	0	0	0	0	0	0	34	54,750	54,800	0	0	0	0	0	0	0	23	54,800	54,850	0	0	0	0	0	0	0	12	54,850	54,884	0	0	0	0	0	0	0	4																																																																																																																																																																																																																																																																																																																																																											
53,950	54,000	0	0	0	0	0	0	0	191	54,000	54,050	0	0	0	0	0	0	0	181	54,050	54,100	0	0	0	0	0	0	0	170	54,100	54,150	0	0	0	0	0	0	0	160	54,150	54,200	0	0	0	0	0	0	0	149	54,200	54,250	0	0	0	0	0	0	0	139	54,250	54,300	0	0	0	0	0	0	0	128	54,300	54,350	0	0	0	0	0	0	0	118	54,350	54,400	0	0	0	0	0	0	0	107	54,400	54,450	0	0	0	0	0	0	0	97	54,450	54,500	0	0	0	0	0	0	0	86	54,500	54,550	0	0	0	0	0	0	0	76	54,550	54,600	0	0	0	0	0	0	0	65	54,600	54,650	0	0	0	0	0	0	0	55	54,650	54,700	0	0	0	0	0	0	0	44	54,700	54,750	0	0	0	0	0	0	0	34	54,750	54,800	0	0	0	0	0	0	0	23	54,800	54,850	0	0	0	0	0	0	0	12	54,850	54,884	0	0	0	0	0	0	0	4																																																																																																																																																																																																																																																																																																																																																																					
54,000	54,050	0	0	0	0	0	0	0	181	54,050	54,100	0	0	0	0	0	0	0	170	54,100	54,150	0	0	0	0	0	0	0	160	54,150	54,200	0	0	0	0	0	0	0	149	54,200	54,250	0	0	0	0	0	0	0	139	54,250	54,300	0	0	0	0	0	0	0	128	54,300	54,350	0	0	0	0	0	0	0	118	54,350	54,400	0	0	0	0	0	0	0	107	54,400	54,450	0	0	0	0	0	0	0	97	54,450	54,500	0	0	0	0	0	0	0	86	54,500	54,550	0	0	0	0	0	0	0	76	54,550	54,600	0	0	0	0	0	0	0	65	54,600	54,650	0	0	0	0	0	0	0	55	54,650	54,700	0	0	0	0	0	0	0	44	54,700	54,750	0	0	0	0	0	0	0	34	54,750	54,800	0	0	0	0	0	0	0	23	54,800	54,850	0	0	0	0	0	0	0	12	54,850	54,884	0	0	0	0	0	0	0	4																																																																																																																																																																																																																																																																																																																																																																															
54,050	54,100	0	0	0	0	0	0	0	170	54,100	54,150	0	0	0	0	0	0	0	160	54,150	54,200	0	0	0	0	0	0	0	149	54,200	54,250	0	0	0	0	0	0	0	139	54,250	54,300	0	0	0	0	0	0	0	128	54,300	54,350	0	0	0	0	0	0	0	118	54,350	54,400	0	0	0	0	0	0	0	107	54,400	54,450	0	0	0	0	0	0	0	97	54,450	54,500	0	0	0	0	0	0	0	86	54,500	54,550	0	0	0	0	0	0	0	76	54,550	54,600	0	0	0	0	0	0	0	65	54,600	54,650	0	0	0	0	0	0	0	55	54,650	54,700	0	0	0	0	0	0	0	44	54,700	54,750	0	0	0	0	0	0	0	34	54,750	54,800	0	0	0	0	0	0	0	23	54,800	54,850	0	0	0	0	0	0	0	12	54,850	54,884	0	0	0	0	0	0	0	4																																																																																																																																																																																																																																																																																																																																																																																									
54,100	54,150	0	0	0	0	0	0	0	160	54,150	54,200	0	0	0	0	0	0	0	149	54,200	54,250	0	0	0	0	0	0	0	139	54,250	54,300	0	0	0	0	0	0	0	128	54,300	54,350	0	0	0	0	0	0	0	118	54,350	54,400	0	0	0	0	0	0	0	107	54,400	54,450	0	0	0	0	0	0	0	97	54,450	54,500	0	0	0	0	0	0	0	86	54,500	54,550	0	0	0	0	0	0	0	76	54,550	54,600	0	0	0	0	0	0	0	65	54,600	54,650	0	0	0	0	0	0	0	55	54,650	54,700	0	0	0	0	0	0	0	44	54,700	54,750	0	0	0	0	0	0	0	34	54,750	54,800	0	0	0	0	0	0	0	23	54,800	54,850	0	0	0	0	0	0	0	12	54,850	54,884	0	0	0	0	0	0	0	4																																																																																																																																																																																																																																																																																																																																																																																																			
54,150	54,200	0	0	0	0	0	0	0	149	54,200	54,250	0	0	0	0	0	0	0	139	54,250	54,300	0	0	0	0	0	0	0	128	54,300	54,350	0	0	0	0	0	0	0	118	54,350	54,400	0	0	0	0	0	0	0	107	54,400	54,450	0	0	0	0	0	0	0	97	54,450	54,500	0	0	0	0	0	0	0	86	54,500	54,550	0	0	0	0	0	0	0	76	54,550	54,600	0	0	0	0	0	0	0	65	54,600	54,650	0	0	0	0	0	0	0	55	54,650	54,700	0	0	0	0	0	0	0	44	54,700	54,750	0	0	0	0	0	0	0	34	54,750	54,800	0	0	0	0	0	0	0	23	54,800	54,850	0	0	0	0	0	0	0	12	54,850	54,884	0	0	0	0	0	0	0	4																																																																																																																																																																																																																																																																																																																																																																																																													
54,200	54,250	0	0	0	0	0	0	0	139	54,250	54,300	0	0	0	0	0	0	0	128	54,300	54,350	0	0	0	0	0	0	0	118	54,350	54,400	0	0	0	0	0	0	0	107	54,400	54,450	0	0	0	0	0	0	0	97	54,450	54,500	0	0	0	0	0	0	0	86	54,500	54,550	0	0	0	0	0	0	0	76	54,550	54,600	0	0	0	0	0	0	0	65	54,600	54,650	0	0	0	0	0	0	0	55	54,650	54,700	0	0	0	0	0	0	0	44	54,700	54,750	0	0	0	0	0	0	0	34	54,750	54,800	0	0	0	0	0	0	0	23	54,800	54,850	0	0	0	0	0	0	0	12	54,850	54,884	0	0	0	0	0	0	0	4																																																																																																																																																																																																																																																																																																																																																																																																																							
54,250	54,300	0	0	0	0	0	0	0	128	54,300	54,350	0	0	0	0	0	0	0	118	54,350	54,400	0	0	0	0	0	0	0	107	54,400	54,450	0	0	0	0	0	0	0	97	54,450	54,500	0	0	0	0	0	0	0	86	54,500	54,550	0	0	0	0	0	0	0	76	54,550	54,600	0	0	0	0	0	0	0	65	54,600	54,650	0	0	0	0	0	0	0	55	54,650	54,700	0	0	0	0	0	0	0	44	54,700	54,750	0	0	0	0	0	0	0	34	54,750	54,800	0	0	0	0	0	0	0	23	54,800	54,850	0	0	0	0	0	0	0	12	54,850	54,884	0	0	0	0	0	0	0	4																																																																																																																																																																																																																																																																																																																																																																																																																																	
54,300	54,350	0	0	0	0	0	0	0	118	54,350	54,400	0	0	0	0	0	0	0	107	54,400	54,450	0	0	0	0	0	0	0	97	54,450	54,500	0	0	0	0	0	0	0	86	54,500	54,550	0	0	0	0	0	0	0	76	54,550	54,600	0	0	0	0	0	0	0	65	54,600	54,650	0	0	0	0	0	0	0	55	54,650	54,700	0	0	0	0	0	0	0	44	54,700	54,750	0	0	0	0	0	0	0	34	54,750	54,800	0	0	0	0	0	0	0	23	54,800	54,850	0	0	0	0	0	0	0	12	54,850	54,884	0	0	0	0	0	0	0	4																																																																																																																																																																																																																																																																																																																																																																																																																																											
54,350	54,400	0	0	0	0	0	0	0	107	54,400	54,450	0	0	0	0	0	0	0	97	54,450	54,500	0	0	0	0	0	0	0	86	54,500	54,550	0	0	0	0	0	0	0	76	54,550	54,600	0	0	0	0	0	0	0	65	54,600	54,650	0	0	0	0	0	0	0	55	54,650	54,700	0	0	0	0	0	0	0	44	54,700	54,750	0	0	0	0	0	0	0	34	54,750	54,800	0	0	0	0	0	0	0	23	54,800	54,850	0	0	0	0	0	0	0	12	54,850	54,884	0	0	0	0	0	0	0	4																																																																																																																																																																																																																																																																																																																																																																																																																																																					
54,400	54,450	0	0	0	0	0	0	0	97	54,450	54,500	0	0	0	0	0	0	0	86	54,500	54,550	0	0	0	0	0	0	0	76	54,550	54,600	0	0	0	0	0	0	0	65	54,600	54,650	0	0	0	0	0	0	0	55	54,650	54,700	0	0	0	0	0	0	0	44	54,700	54,750	0	0	0	0	0	0	0	34	54,750	54,800	0	0	0	0	0	0	0	23	54,800	54,850	0	0	0	0	0	0	0	12	54,850	54,884	0	0	0	0	0	0	0	4																																																																																																																																																																																																																																																																																																																																																																																																																																																															
54,450	54,500	0	0	0	0	0	0	0	86	54,500	54,550	0	0	0	0	0	0	0	76	54,550	54,600	0	0	0	0	0	0	0	65	54,600	54,650	0	0	0	0	0	0	0	55	54,650	54,700	0	0	0	0	0	0	0	44	54,700	54,750	0	0	0	0	0	0	0	34	54,750	54,800	0	0	0	0	0	0	0	23	54,800	54,850	0	0	0	0	0	0	0	12	54,850	54,884	0	0	0	0	0	0	0	4																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
54,500	54,550	0	0	0	0	0	0	0	76	54,550	54,600	0	0	0	0	0	0	0	65	54,600	54,650	0	0	0	0	0	0	0	55	54,650	54,700	0	0	0	0	0	0	0	44	54,700	54,750	0	0	0	0	0	0	0	34	54,750	54,800	0	0	0	0	0	0	0	23	54,800	54,850	0	0	0	0	0	0	0	12	54,850	54,884	0	0	0	0	0	0	0	4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
54,550	54,600	0	0	0	0	0	0	0	65	54,600	54,650	0	0	0	0	0	0	0	55	54,650	54,700	0	0	0	0	0	0	0	44	54,700	54,750	0	0	0	0	0	0	0	34	54,750	54,800	0	0	0	0	0	0	0	23	54,800	54,850	0	0	0	0	0	0	0	12	54,850	54,884	0	0	0	0	0	0	0	4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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49,700	49,750	0	0	0	0	0	0	372	1,087																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
49,750	49,800	0	0	0	0	0	0	361	1,076																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
49,800	49,850	0	0	0	0	0	0	351	1,065																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
49,850	49,900	0	0	0	0	0	0	340	1,055																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
49,900	49,950	0	0	0	0	0	0	330	1,044																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
49,950	50,000	0	0	0	0	0	0	319	1,034																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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* If the amount you are looking up from the worksheet is at least \$51,450 but less than \$51,492, and you have two qualifying children, your credit is \$4. If the amount you are looking up from the worksheet is \$51,492 or more, and you have two qualifying children, you can't take the credit.

Line 17b**Additional Child Tax Credit (Schedule 8812)**

If your qualifying child didn't have an SSN valid for employment issued before the due date of your 2018 return (including extensions), you can't claim the additional child tax credit for that child on your original or an amended return.

What Is the Additional Child Tax Credit?

This credit is for certain people who have at least one qualifying child for the child tax credit (as defined in Steps 1, 2, and 3 in the *Who Qualifies as Your Dependent* section, earlier). The additional child tax credit may give you a refund even if you don't owe any tax or didn't have any tax withheld.

Two Steps To Take the Additional Child Tax Credit!

Step 1. Be sure you figured the amount, if any, of your child tax credit and credit for other dependents. See the instructions for line 12a.

Step 2. Read the TIP at the end of your Child Tax Credit and Credit for Other Dependents Worksheet. Use Schedule 8812 to see if you can take the additional child tax credit, but only if you meet the condition given in that TIP.



The amount you enter on line 17 will be the total of your additional child tax credit, plus any EIC and American opportunity credit, plus any amount from Schedule 5.

Form 8862, who must file. You must file Form 8862 if your child tax credit or additional child tax credit for a year after 2015 was denied or reduced for any reason other than a math or clerical error. Attach a completed Form 8862 to your 2018 return to claim the credit for 2018. Don't file Form 8862 if you filed Form 8862 for 2017 and the child tax credit or additional child tax credit was allowed for that year. See Form 8862 and its instructions for details.



If you take the additional child tax credit even though you aren't eligible and it is determined that your error is due to reckless or intentional disregard of the additional child tax credit rules, you won't be allowed to take the child tax credit, the credit for other dependents, or the additional child tax credit for 2 years even if you're otherwise eligible to do so. If you take the additional child tax credit even though you aren't eligible and it is later determined that you fraudulently took the credit, you won't be allowed to take the child tax credit, the credit for other dependents, or the additional child tax credit for 10 years. You also may have to pay penalties.



Refunds for returns claiming the additional child tax credit can't be issued before mid-February 2019. This delay applies to the entire refund, not just the portion associated with the additional child tax credit.

Line 17c**American Opportunity Credit (Form 8863)**

If you meet the requirements to claim an education credit (see the instructions for Schedule 3, line 50), enter on line 17c the amount, if any, from Form 8863, line 8. You may be able to increase an education credit and reduce your total tax or increase your tax refund if the student chooses to include all or part of a Pell grant or certain other scholarships or fellowships in income. See Pub. 970 and the Instructions for Form 8863 for more information.



The amount you enter on line 17 will be the total of your American opportunity credit, plus any EIC and additional child tax credit, plus any amount from Schedule 5.

Form 8862 required. You must file Form 8862 if your American opportunity credit for a year after 2015 was denied or reduced for any reason other than a math or clerical error. Attach a completed Form 8862 to your 2018 return to claim the credit for 2018. Don't file Form 8862 if you filed Form 8862

for 2017 and the American opportunity credit was allowed for that year. See Form 8862 and its instructions for details.



If you take the American opportunity credit even though you aren't eligible and it is determined that your error is due to reckless or intentional disregard of the American opportunity credit rules, you won't be allowed to take the credit for 2 years even if you're otherwise eligible to do so. If you take the American opportunity credit even though you aren't eligible and it is determined that you fraudulently took the credit, you won't be allowed to take the credit for 10 years. You also may have to pay penalties.

Refund**Line 19****Amount Overpaid**

If line 19 is under \$1, we will send a refund only on written request.

Refund Offset

If you owe past-due federal tax, state income tax, state unemployment compensation debts, child support, spousal support, or certain federal nontax debts, such as student loans, all or part of the overpayment on line 19 may be used (offset) to pay the past-due amount. Offsets for federal taxes are made by the IRS. All other offsets are made by the Treasury Department's Bureau of the Fiscal Service. For federal tax offsets, you will receive a notice from the IRS. For all other offsets, you will receive a notice from the Fiscal Service. To find out if you may have an offset or if you have any questions about it, contact the agency to which you owe the debt.

Injured Spouse

If you file a joint return and your spouse hasn't paid past-due federal tax, state income tax, state unemployment compensation debts, child support, spousal support, or a federal nontax debt, such as a student loan, part or all of the overpayment on line 19 may be used (offset) to

pay the past-due amount. But your part of the overpayment may be refunded to you if certain conditions apply and you complete Form 8379. For details, use [Tax Topic 203](#) or see Form 8379.

Lines 20a Through 20d

Amount Refunded to You

If you want to check the status of your refund, just use the IRS2Go app or go to [IRS.gov/Refunds](#). See *Refund Information*, later. Information about your refund will generally be available within 24 hours after the IRS receives your e-filed return, or 4 weeks after you mail your paper return. If you filed Form 8379 with your return, wait 14 weeks (11 weeks if you filed electronically). Have your 2018 tax return handy so you can enter your social security number, your filing status, and the exact whole dollar amount of your refund.

Where's My Refund will provide a personalized refund date as soon as the IRS processes your tax return and approves your refund.

Effect of refund on benefits. Any refund you receive can't be counted as income when determining if you or anyone else is eligible for benefits or assistance, or how much you or anyone else can receive, under any federal program or under any state or local program financed in whole or in part with federal funds. These programs include Temporary Assistance for Needy Families (TANF), Medicaid, Supplemental Security Income (SSI), and Supplemental Nutrition Assistance Program (food stamps). In addition, when determining eligibility, the refund can't be counted as a resource for at least 12 months after you receive it. Check with your local benefit coordinator to find out if your refund will affect your benefits.

DIRECT DEPOSIT

Simple. Safe. Secure.

Fast Refunds! Join the eight in 10 taxpayers who choose direct deposit—a fast, simple, safe, secure way to have your refund deposited automatically to your checking or savings account, including an individual retirement arrangement (IRA). See the information about IRAs later.

If you want us to directly deposit the amount shown on line 20a to your checking or savings account, including an IRA, at a bank or other financial institution (such as a mutual fund, brokerage firm, or credit union) in the United States:

- Complete lines 20b through 20d (if you want your refund deposited to only one account), or
- Check the box on line 20a and attach Form 8888 if you want to split the direct deposit of your refund into more than one account or use all or part of your refund to buy paper series I savings bonds.

If you don't want your refund directly deposited to your account, don't check the box on line 20a. Draw a line through the boxes on lines 20b and 20d. We will send you a check instead.

Account must be in your name. Don't request a deposit of your refund to an account that isn't in your name, such as your tax return preparer's account. Although you may owe your tax return preparer a fee for preparing your return, don't have any part of your refund deposited into the preparer's account to pay the fee.

The number of refunds that can be directly deposited to a single account or prepaid debit card is limited to three a year. After this limit is reached, paper checks will be sent instead. Learn more at [IRS.gov/DepositLimit](#).

Why Use Direct Deposit?

- You get your refund faster by direct deposit than you do by check.
- Payment is more secure. There is no check that can get lost or stolen.
- It is more convenient. You don't have to make a trip to the bank to deposit your check.
- It saves tax dollars. It costs the government less to refund by direct deposit.
- It's proven itself. Nearly 98% of social security and veterans' benefits are sent electronically using direct deposit.



If you file a joint return and check the box on line 20a and attach Form 8888 or fill in lines 20b through 20d, your spouse may get at least part of the refund.

IRA. You can have your refund (or part of it) directly deposited to a traditional IRA, Roth IRA, or SEP-IRA, but not a SIMPLE IRA. You must establish the IRA at a bank or other financial institution before you request direct deposit. Make sure your direct deposit will be accepted. You also must notify the trustee or custodian of your account of the year to which the deposit is to be applied (unless the trustee or custodian won't accept a deposit for 2018). If you don't, the trustee or custodian can assume the deposit is for the year during which you are filing the return. For example, if you file your 2018 return during 2019 and don't notify the trustee or custodian in advance, the trustee or custodian can assume the deposit to your IRA is for 2019. If you designate your deposit to be for 2018, you must verify that the deposit was actually made to the account by the due date of the return (not counting extensions). If the deposit isn't made by that date, the deposit isn't an IRA contribution for 2018. In that case, you must file an amended 2018 return and reduce any IRA deduction and any retirement savings contributions credit you claimed.



You and your spouse, if filing jointly, each may be able to contribute up to \$5,500 (\$6,500 if age 50 or older at the end of 2018) to a traditional IRA or Roth IRA for 2018. You may owe a penalty if your contributions exceed these limits, and the limits may be lower depending on your compensation and income. For more information on IRA contributions, see Pub. 590-A.

For more information on IRAs, see Pub. 590-A and Pub. 590-B.

TreasuryDirect®. You can request a deposit of your refund (or part of it) to a TreasuryDirect® online account to buy U.S. Treasury marketable securities and savings bonds. For more information, go to [go.usa.gov/3KvcP](#).

Form 8888. You can have your refund directly deposited into more than one account or use it to buy up to \$5,000 in paper series I savings bonds. You don't need a TreasuryDirect® account to do this. For more information, see the Form 8888 instructions.

Sample Check—Lines 20b Through 20d

Line 20a

You can't file Form 8888 to split your refund into more than one account or buy paper series I savings bonds if Form 8379 is filed with your return.

Line 20b

The routing number must be nine digits. The first two digits must be 01 through 12 or 21 through 32. On the sample check shown here, the routing number is 250250025. Charles and Mary Ellen Keys would use that routing number unless their financial institution instructed them to use a different routing number for direct deposits.

Ask your financial institution for the correct routing number to enter on line 20b if:

- The routing number on a deposit slip is different from the routing number on your checks,
- Your deposit is to a savings account that doesn't allow you to write checks, or
- Your checks state they are payable through a financial institution different from the one at which you have your checking account.

Line 20c

Check the appropriate box for the type of account. Don't check more than one box. If the deposit is to an account such as an IRA, health savings account, brokerage account, or other similar account, ask your financial institution whether you should check the "Checking" or "Savings" box. You must check the correct box to ensure your deposit is accepted. If your deposit is to a TreasuryDirect® online account, check the "Savings" box.

Line 20d

The account number can be up to 17 characters (both numbers and letters). Include hyphens but omit spaces and special symbols. Enter the number from left to right and leave any unused boxes blank. On the sample check shown here, the account number is 20202086. Don't include the check number.

If the direct deposit to your account(s) is different from the amount you expected, you will receive an ex-

CHARLES KEYS
MARY ELLEN KEYS
123 Pear Lane
Anyplace, MI 00000

PAY TO THE ORDER OF \$ 1234
DOLLARS

ANYPLACE BANK
Anyplace, MI 00000

For

Routing number (line 20b): 250250025
Account number (line 20d): 20202086

1234
15-00000000

Do not include the check number.



The routing and account numbers may be in different places on your check.

planation in the mail about 2 weeks after your refund is deposited.

Reasons Your Direct Deposit Request Will Be Rejected

If any of the following apply, your direct deposit request will be rejected and a check will be sent instead.

- You are asking to have a joint refund deposited to an individual account, and your financial institution(s) won't allow this. The IRS isn't responsible if a financial institution rejects a direct deposit.
- The name on your account doesn't match the name on the refund, and your financial institution(s) won't allow a refund to be deposited unless the name on the refund matches the name on the account.

- Three direct deposits of tax refunds already have been made to the same account or prepaid debit card.

- You haven't given a valid account number.
- You file your 2018 return after November 30, 2019.

- Any numbers or letters on lines 20b through 20d are crossed out or whited out.



The IRS isn't responsible for a lost refund if you enter the wrong account information. Check with your financial institution to get the correct routing and account numbers and to make sure your direct deposit will be accepted.

Line 21

Applied to Your 2019 Estimated Tax

Enter on line 21 the amount, if any, of the overpayment on line 19 you want applied to your 2019 estimated tax. We will apply this amount to your account unless you include a statement requesting us to apply it to your spouse's account. Include your spouse's social security number in the statement.



This election to apply part or all of the amount overpaid to your 2019 estimated tax can't be changed later.

Amount You Owe



To avoid interest and penalties, pay your taxes in full by the due date of your return (not including extensions)—April 15, 2019, for most taxpayers. You don't have to pay if line 22 is under \$1.

Include any estimated tax penalty from line 23 in the amount you enter on line 22. Don't include any estimated payments for 2019 in this payment. Instead, make the estimated payment separately.

Bad check or payment. The penalty for writing a bad check to the IRS is \$25 or 2% of the check, whichever is more. However, if the amount of the check is less than \$25, the penalty equals the amount of the check. This also applies to

other forms of payment if the IRS doesn't receive the funds. Use [Tax Topic 206](#).

Line 22

Amount You Owe

IRS offers several payment options. You can pay online, by phone, mobile device, cash (maximum \$1,000 per day and per transaction), check, or money order. Go to [IRS.gov/Payments](#) for payment options.

Pay Online

IRS offers an electronic payment option that is right for you. Paying online is convenient and secure and helps make sure we get your payments on time. To pay your taxes online or for more information, go to [IRS.gov/Payments](#). You can pay using any of the following methods.

- **IRS Direct Pay** for online transfers directly from your checking or savings account at no cost to you, go to [IRS.gov/Payments](#).

- **Pay by Card.** To pay by debit or credit card, go to [IRS.gov/Payments](#). A convenience fee is charged by these service providers.

- **Electronic Funds Withdrawal (EFW)** is an integrated *e-file/e-pay* option offered when filing your federal taxes electronically using tax return preparation software, through a tax professional, or the IRS at [IRS.gov/Payments](#).

- **Online Payment Agreement.** If you can't pay in full by the due date of your tax return you can apply for an online monthly installment agreement at [IRS.gov/Payments](#). Once you complete the online process, you will receive immediate notification of whether your agreement has been approved. A user fee is charged.

- **IRS2Go** is the mobile application of the IRS; you can access Direct Pay or Pay By Card by downloading the application.

Pay by Phone

Paying by phone is another safe and secure method of paying electronically. Use one of the following methods (1) call one of the debit or credit card serv-

ice providers, or (2) use the Electronic Federal Tax Payment System (EFTPS).

Debit or credit card. Call one of our service providers. Each charges a fee that varies by provider, card type, and payment amount.

Official Payments
1-888-UPAY-TAX™
(1-888-872-9829)
[www.officialpayments.com](#)

Link2Gov Corporation
1-888-PAY-1040™
(1-888-729-1040)
[www.PAY1040.com](#)

WorldPay US, Inc.
1-844-729-8298
(1-844-PAY-TAX-8™)
[www.payUSAtax.com](#)

EFTPS. To use EFTPS, you must be enrolled either online or have an enrollment form mailed to you. To make a payment using EFTPS, call 1-800-555-4477 (English) or 1-800-244-4829 (Español). People who are deaf, hard of hearing, or have a speech disability and who have access to TTY/TDD equipment can call 1-800-733-4829. For more information about EFTPS, go to [IRS.gov/Payments](#) or [www.EFTPS.gov](#).

Pay by Mobile Device

To pay through your mobile device, download the IRS2Go app.

Pay by Cash

Cash is an in-person payment option for individuals provided through retail partners with a maximum of \$1,000 per day per transaction. To make a cash payment, you must first be registered online at [www.officialpayments.com/fed](#), our Official Payment provider.

Pay by Check or Money Order

Before submitting a payment through the mail, please consider alternative methods. One of our safe, quick, and easy electronic payment options might be right for you. If you choose to mail a tax payment, make your check or money order payable to "United States Treasury" for the full amount due. Don't send

cash. Don't attach the payment to your return. Write "2018 Form 1040" and your name, address, daytime phone number, and social security number (SSN) on your payment and attach Form 1040-V. For the most up-to-date information on Form 1040-V, go to [IRS.gov/Form1040V](#). If you are filing a joint return, enter the SSN shown first on your tax return.

To help us process your payment, enter the amount on the right side of the check like this: \$ XXX.XX. Don't use dashes or lines (for example, don't enter "\$ XXX-" or "\$ XXX^{xx}/100").

Mail your 2018 tax return, payment, and Form 1040-V to the address shown on the form that applies to you.

No checks of \$100 million or more accepted. The IRS can't accept a single check (including a cashier's check) for amounts of \$100,000,000 (\$100 million) or more. If you are sending \$100 million or more by check, you'll need to spread the payment over 2 or more checks with each check made out for an amount less than \$100 million. This limit doesn't apply to other methods of payment (such as electronic payments). Please consider a method of payment other than check if the amount of the payment is over \$100 million.

What if You Can't Pay?

If you can't pay the full amount shown on line 22 when you file, you can ask for:

- An installment agreement, or
- An extension of time to pay.

Installment agreement. Under an installment agreement, you can pay all or part of the tax you owe in monthly installments. However, even if an installment agreement is granted, you will be charged interest and may be charged a late payment penalty on the tax not paid by the due date of your return (not counting extensions)—April 15, 2019, for most people. You also must pay a fee. To limit the interest and penalty charges, pay as much of the tax as possible when you file. But before requesting an installment agreement, you should consider other less costly alternatives, such as a bank loan or credit card payment.

To ask for an installment agreement, you can apply online or use Form 9465. To apply online, go to [IRS.gov](https://www.irs.gov) and click on [Apply for an Online Payment Plan](#).

Extension of time to pay. If paying the tax when it is due would cause you an undue hardship, you can ask for an extension of time to pay by filing Form 1127 by the due date of your return (not counting extensions)—April 15, 2019, for most people. An extension generally won't be granted for more than 6 months. You will be charged interest on the tax not paid by April 15, 2019. You must pay the tax before the extension runs out. Penalties and interest will be imposed until taxes are paid in full. For the most up-to-date information on Form 1127, go to [IRS.gov/Form1127](https://www.irs.gov/Form1127).

Line 23

Estimated Tax Penalty

You may owe this penalty if:

- Line 22 is at least \$1,000 and it is more than 10% of the tax shown on your return, or
- You didn't pay enough estimated tax by any of the due dates. This is true even if you are due a refund.

For most people, the “tax shown on your return” is the amount on your 2018 Form 1040, line 15, minus the total of any amounts shown on lines 17a, b, and c; Schedule 4, line 61; Schedule 5, lines 70 and 73; and Forms 8828, 4137, 5329 (Parts III through IX only), 8885, and 8919. Also subtract from line 15 any:

- Tax on an excess parachute payment,
- Excise tax on insider stock compensation of an expatriated corporation,
- Uncollected social security and Medicare or RRTA tax on tips or group-term life insurance, and
- Look-back interest due under section 167(g) or 460(b).

When figuring the amount on line 15, include household employment taxes only if line 16 is more than zero or you would owe the penalty even if you didn't include those taxes.

Exception. You won't owe the penalty if your 2017 tax return was for a tax

year of 12 full months and either of the following applies.

1. You had no tax shown on your 2017 return and you were a U.S. citizen or resident for all of 2017.
2. The total of line 16 and Schedule 5, lines 66 and 72, on your 2018 return is at least 100% of the tax shown on your 2017 return (110% of that amount if you aren't a farmer or fisherman, and your adjusted gross income (AGI) shown on your 2017 return was more than \$150,000 (more than \$75,000 if married filing separately for 2018)). Your estimated tax payments for 2018 must have been made on time and for the required amount.

For most people, the “tax shown on your 2017 return” is the amount on your 2017 Form 1040, line 63, minus the total of any amounts shown on lines 61, 66a, 67, 68, 69, and 72; and Forms 8828, 4137, 5329 (Parts III through IX only), 8885, and 8919. Also subtract from line 63 any:

- Tax on an excess parachute payment,
- Excise tax on insider stock compensation of an expatriated corporation,
- Uncollected social security and Medicare or RRTA tax on tips or group-term life insurance, and
- Look-back interest due under section 167(g) or 460(b).

When figuring the amount on line 63, include household employment taxes only if line 64 is more than zero or you would have owed the estimated tax penalty for 2017 even if you didn't include those taxes.

If the *Exception* just described doesn't apply, see the Instructions for Form 2210 for other situations in which you may be able to lower your penalty by filing Form 2210.

Figuring the Penalty

If you choose to figure the penalty yourself, use Form 2210 (or 2210-F for farmers and fishermen).

Enter any penalty on line 23. Add the penalty to any tax due and enter the total on line 22.

However, if you have an overpayment on line 19, subtract the penalty from the amount you would otherwise enter on line 20a or line 21. Lines 20a, 21, and 23 must equal line 19.

If the penalty is more than the overpayment on line 19, enter -0- on lines 20a and 21. Then subtract line 19 from line 23 and enter the result on line 22.

Don't file Form 2210 with your return unless Form 2210 indicates that you must do so. Instead, keep it for your records.



Because Form 2210 is complicated, you can leave line 23 blank and the IRS will figure the penalty and send you a bill. We won't charge you interest on the penalty if you pay by the date specified on the bill. If your income varied during the year, the annualized income installment method may reduce the amount of your penalty. But you must file Form 2210 because the IRS can't figure your penalty under this method.

Assemble Your Return

Assemble any schedules and forms behind Form 1040 in order of the “Attachment Sequence No.” shown in the upper right corner of the schedule or form. If you have supporting statements, arrange them in the same order as the schedules or forms they support and attach them last. File your return, schedules, and other attachments on standard size paper. Cutting the paper may cause problems in processing your return. Don't attach correspondence or other items unless required to do so. Attach Forms W-2 and 2439 to Form 1040. If you received a Form W-2c (a corrected Form W-2), attach your original Forms W-2 and any Forms W-2c. Attach Forms W-2G and 1099-R to Form 1040 if tax was withheld.

2018 Tax Table



See the instructions for line 11a to see if you must use the Tax Table below to figure your tax.

Example. Mr. and Mrs. Brown are filing a joint return. Their taxable income on Form 1040, line 10, is \$25,300. First, they find the \$25,300-25,350 taxable income line. Next, they find the column for married filing jointly and read down the column. The amount shown where the taxable income line and filing status column meet is \$2,658. This is the tax amount they should enter in the entry space on Form 1040, line 11a.

Sample Table

At Least	But Less Than	Single	Married filing jointly*	Married filing separately	Head of a household
Your tax is—					
25,200	25,250	2,837	2,646	2,837	2,755
25,250	25,300	2,843	2,652	2,843	2,761
25,300	25,350	2,849	2,658	2,849	2,767
25,350	25,400	2,855	2,664	2,855	2,773

If line 10 (taxable income) is—		And you are—				If line 10 (taxable income) is—		And you are—				If line 10 (taxable income) is—		And you are—			
At least	But less than	Single	Married filing jointly *	Married filing separately	Head of a household	At least	But less than	Single	Married filing jointly *	Married filing separately	Head of a household	At least	But less than	Single	Married filing jointly *	Married filing separately	Head of a household
		Your tax is—						Your tax is—						Your tax is—			
0	5	0	0	0	0	1,000						2,000					
5	15	1	1	1	1	1,000	1,025	101	101	101	101	2,000	2,025	201	201	201	201
15	25	2	2	2	2	1,025	1,050	104	104	104	104	2,025	2,050	204	204	204	204
25	50	4	4	4	4	1,050	1,075	106	106	106	106	2,050	2,075	206	206	206	206
50	75	6	6	6	6	1,075	1,100	109	109	109	109	2,075	2,100	209	209	209	209
75	100	9	9	9	9	1,100	1,125	111	111	111	111	2,100	2,125	211	211	211	211
100	125	11	11	11	11	1,125	1,150	114	114	114	114	2,125	2,150	214	214	214	214
125	150	14	14	14	14	1,150	1,175	116	116	116	116	2,150	2,175	216	216	216	216
150	175	16	16	16	16	1,175	1,200	119	119	119	119	2,175	2,200	219	219	219	219
175	200	19	19	19	19	1,200	1,225	121	121	121	121	2,200	2,225	221	221	221	221
200	225	21	21	21	21	1,225	1,250	124	124	124	124	2,225	2,250	224	224	224	224
225	250	24	24	24	24	1,250	1,275	126	126	126	126	2,250	2,275	226	226	226	226
250	275	26	26	26	26	1,275	1,300	129	129	129	129	2,275	2,300	229	229	229	229
275	300	29	29	29	29	1,300	1,325	131	131	131	131	2,300	2,325	231	231	231	231
300	325	31	31	31	31	1,325	1,350	134	134	134	134	2,325	2,350	234	234	234	234
325	350	34	34	34	34	1,350	1,375	136	136	136	136	2,350	2,375	236	236	236	236
350	375	36	36	36	36	1,375	1,400	139	139	139	139	2,375	2,400	239	239	239	239
375	400	39	39	39	39	1,400	1,425	141	141	141	141	2,400	2,425	241	241	241	241
400	425	41	41	41	41	1,425	1,450	144	144	144	144	2,425	2,450	244	244	244	244
425	450	44	44	44	44	1,450	1,475	146	146	146	146	2,450	2,475	246	246	246	246
450	475	46	46	46	46	1,475	1,500	149	149	149	149	2,475	2,500	249	249	249	249
475	500	49	49	49	49	1,500	1,525	151	151	151	151	2,500	2,525	251	251	251	251
500	525	51	51	51	51	1,525	1,550	154	154	154	154	2,525	2,550	254	254	254	254
525	550	54	54	54	54	1,550	1,575	156	156	156	156	2,550	2,575	256	256	256	256
550	575	56	56	56	56	1,575	1,600	159	159	159	159	2,575	2,600	259	259	259	259
575	600	59	59	59	59	1,600	1,625	161	161	161	161	2,600	2,625	261	261	261	261
600	625	61	61	61	61	1,625	1,650	164	164	164	164	2,625	2,650	264	264	264	264
625	650	64	64	64	64	1,650	1,675	166	166	166	166	2,650	2,675	266	266	266	266
650	675	66	66	66	66	1,675	1,700	169	169	169	169	2,675	2,700	269	269	269	269
675	700	69	69	69	69	1,700	1,725	171	171	171	171	2,700	2,725	271	271	271	271
700	725	71	71	71	71	1,725	1,750	174	174	174	174	2,725	2,750	274	274	274	274
725	750	74	74	74	74	1,750	1,775	176	176	176	176	2,750	2,775	276	276	276	276
750	775	76	76	76	76	1,775	1,800	179	179	179	179	2,775	2,800	279	279	279	279
775	800	79	79	79	79	1,800	1,825	181	181	181	181	2,800	2,825	281	281	281	281
800	825	81	81	81	81	1,825	1,850	184	184	184	184	2,825	2,850	284	284	284	284
825	850	84	84	84	84	1,850	1,875	186	186	186	186	2,850	2,875	286	286	286	286
850	875	86	86	86	86	1,875	1,900	189	189	189	189	2,875	2,900	289	289	289	289
875	900	89	89	89	89	1,900	1,925	191	191	191	191	2,900	2,925	291	291	291	291
900	925	91	91	91	91	1,925	1,950	194	194	194	194	2,925	2,950	294	294	294	294
925	950	94	94	94	94	1,950	1,975	196	196	196	196	2,950	2,975	296	296	296	296
950	975	96	96	96	96	1,975	2,000	199	199	199	199	2,975	3,000	299	299	299	299
975	1,000	99	99	99	99												

(Continued)

* This column must also be used by a qualifying widow(er).

If line 10 (taxable income) is—		And you are—				If line 10 (taxable income) is—		And you are—				If line 10 (taxable income) is—		And you are—									
At least	But less than	Single	Married filing jointly *	Married filing separately	Head of a household	At least	But less than	Single	Married filing jointly *	Married filing separately	Head of a household	At least	But less than	Single	Married filing jointly *	Married filing separately	Head of a household	At least	But less than	Single	Married filing jointly *	Married filing separately	Head of a household
		Your tax is—						Your tax is—						Your tax is—									
3,000																							
3,000	3,050	303	303	303	303	6,000	6,050	603	603	603	603	9,000	9,050	903	903	903	903	9,000	9,050	903	903	903	903
3,050	3,100	308	308	308	308	6,050	6,100	608	608	608	608	9,050	9,100	908	908	908	908	9,050	9,100	908	908	908	908
3,100	3,150	313	313	313	313	6,100	6,150	613	613	613	613	9,100	9,150	913	913	913	913	9,100	9,150	913	913	913	913
3,150	3,200	318	318	318	318	6,150	6,200	618	618	618	618	9,150	9,200	918	918	918	918	9,150	9,200	918	918	918	918
3,200	3,250	323	323	323	323	6,200	6,250	623	623	623	623	9,200	9,250	923	923	923	923	9,200	9,250	923	923	923	923
3,250	3,300	328	328	328	328	6,250	6,300	628	628	628	628	9,250	9,300	928	928	928	928	9,250	9,300	928	928	928	928
3,300	3,350	333	333	333	333	6,300	6,350	633	633	633	633	9,300	9,350	933	933	933	933	9,300	9,350	933	933	933	933
3,350	3,400	338	338	338	338	6,350	6,400	638	638	638	638	9,350	9,400	938	938	938	938	9,350	9,400	938	938	938	938
3,400	3,450	343	343	343	343	6,400	6,450	643	643	643	643	9,400	9,450	943	943	943	943	9,400	9,450	943	943	943	943
3,450	3,500	348	348	348	348	6,450	6,500	648	648	648	648	9,450	9,500	948	948	948	948	9,450	9,500	948	948	948	948
3,500	3,550	353	353	353	353	6,500	6,550	653	653	653	653	9,500	9,550	953	953	953	953	9,500	9,550	953	953	953	953
3,550	3,600	358	358	358	358	6,550	6,600	658	658	658	658	9,550	9,600	958	958	958	958	9,550	9,600	958	958	958	958
3,600	3,650	363	363	363	363	6,600	6,650	663	663	663	663	9,600	9,650	963	963	963	963	9,600	9,650	963	963	963	963
3,650	3,700	368	368	368	368	6,650	6,700	668	668	668	668	9,650	9,700	968	968	968	968	9,650	9,700	968	968	968	968
3,700	3,750	373	373	373	373	6,700	6,750	673	673	673	673	9,700	9,750	973	973	973	973	9,700	9,750	973	973	973	973
3,750	3,800	378	378	378	378	6,750	6,800	678	678	678	678	9,750	9,800	978	978	978	978	9,750	9,800	978	978	978	978
3,800	3,850	383	383	383	383	6,800	6,850	683	683	683	683	9,800	9,850	983	983	983	983	9,800	9,850	983	983	983	983
3,850	3,900	388	388	388	388	6,850	6,900	688	688	688	688	9,850	9,900	988	988	988	988	9,850	9,900	988	988	988	988
3,900	3,950	393	393	393	393	6,900	6,950	693	693	693	693	9,900	9,950	993	993	993	993	9,900	9,950	993	993	993	993
3,950	4,000	398	398	398	398	6,950	7,000	698	698	698	698	9,950	10,000	998	998	998	998	9,950	10,000	998	998	998	998
4,000																							
4,000	4,050	403	403	403	403	7,000	7,050	703	703	703	703	10,000	10,050	1,013	1,013	1,013	1,013	10,000	10,050	1,013	1,013	1,013	1,013
4,050	4,100	408	408	408	408	7,050	7,100	708	708	708	708	10,050	10,100	1,018	1,018	1,018	1,018	10,050	10,100	1,018	1,018	1,018	1,018
4,100	4,150	413	413	413	413	7,100	7,150	713	713	713	713	10,100	10,150	1,023	1,023	1,023	1,023	10,100	10,150	1,023	1,023	1,023	1,023
4,150	4,200	418	418	418	418	7,150	7,200	718	718	718	718	10,150	10,200	1,028	1,028	1,028	1,028	10,150	10,200	1,028	1,028	1,028	1,028
4,200	4,250	423	423	423	423	7,200	7,250	723	723	723	723	10,200	10,250	1,033	1,033	1,033	1,033	10,200	10,250	1,033	1,033	1,033	1,033
4,250	4,300	428	428	428	428	7,250	7,300	728	728	728	728	10,250	10,300	1,038	1,038	1,038	1,038	10,250	10,300	1,038	1,038	1,038	1,038
4,300	4,350	433	433	433	433	7,300	7,350	733	733	733	733	10,300	10,350	1,043	1,043	1,043	1,043	10,300	10,350	1,043	1,043	1,043	1,043
4,350	4,400	438	438	438	438	7,350	7,400	738	738	738	738	10,350	10,400	1,048	1,048	1,048	1,048	10,350	10,400	1,048	1,048	1,048	1,048
4,400	4,450	443	443	443	443	7,400	7,450	743	743	743	743	10,400	10,450	1,053	1,053	1,053	1,053	10,400	10,450	1,053	1,053	1,053	1,053
4,450	4,500	448	448	448	448	7,450	7,500	748	748	748	748	10,450	10,500	1,058	1,058	1,058	1,058	10,450	10,500	1,058	1,058	1,058	1,058
4,500	4,550	453	453	453	453	7,500	7,550	753	753	753	753	10,500	10,550	1,063	1,063	1,063	1,063	10,500	10,550	1,063	1,063	1,063	1,063
4,550	4,600	458	458	458	458	7,550	7,600	758	758	758	758	10,550	10,600	1,068	1,068	1,068	1,068	10,550	10,600	1,068	1,068	1,068	1,068
4,600	4,650	463	463	463	463	7,600	7,650	763	763	763	763	10,600	10,650	1,073	1,073	1,073	1,073	10,600	10,650	1,073	1,073	1,073	1,073
4,650	4,700	468	468	468	468	7,650	7,700	768	768	768	768	10,650	10,700	1,078	1,078	1,078	1,078	10,650	10,700	1,078	1,078	1,078	1,078
4,700	4,750	473	473	473	473	7,700	7,750	773	773	773	773	10,700	10,750	1,083	1,083	1,083	1,083	10,700	10,750	1,083	1,083	1,083	1,083
4,750	4,800	478	478	478	478	7,750	7,800	778	778	778	778	10,750	10,800	1,088	1,088	1,088	1,088	10,750	10,800	1,088	1,088	1,088	1,088
4,800	4,850	483	483	483	483	7,800	7,850	783	783	783	783	10,800	10,850	1,093	1,093	1,093	1,093	10,800	10,850	1,093	1,093	1,093	1,093
4,850	4,900	488	488	488	488	7,850	7,900	788	788	788	788	10,850	10,900	1,098	1,098	1,098	1,098	10,850	10,900	1,098	1,098	1,098	1,098
4,900	4,950	493	493	493	493	7,900	7,950	793	793	793	793	10,900	10,950	1,103	1,103	1,103	1,103	10,900	10,950	1,103	1,103	1,103	1,103
4,950	5,000	498	498	498	498	7,950	8,000	798	798	798	798	10,950	11,000	1,108	1,108	1,108	1,108	10,950	11,000	1,108	1,108	1,108	1,108
5,000																							
5,000	5,050	503	503	503	503	8,000	8,050	803	803	803	803	11,000	11,050	1,113	1,113	1,113	1,113	11,000	11,050	1,113	1,113	1,113	1,113
5,050	5,100	508	508	508	508	8,050	8,100	808	808	808	808	11,050	11,100	1,118	1,118	1,118	1,118	11,050	11,100	1,118	1,118	1,118	1,118
5,100	5,150	513	513	513	513	8,100	8,150	813	813	813	813	11,100	11,150	1,123	1,123	1,123	1,123	11,100	11,150	1,123	1,123	1,123	1,123
5,150	5,200	518	518	518	518	8,150	8,200	818	818	818	818	11,150	11,200	1,128	1,128	1,128	1,128	11,150	11,200	1,128	1,128	1,128	1,128
5,200	5,250	523	523	523	523	8,200	8,250	823	823	823	823	11,200	11,250	1,133	1,133	1,133	1,133	11,200	11,250	1,133	1,133	1,133	1,133
5,250	5,300	528	528	528	528	8,250	8,300	828	828	828	828	11,250	11,300	1,138	1,138	1,138	1,138	11,250	11,300	1,138	1,138	1,138	1,138
5,300	5,350	533	533	533	533	8,300	8,350	833	833	833	833	11,300	11,350	1,143	1,143	1,143	1,143	11,300	11,350	1,143	1,143	1,143	1,143
5,350	5,400	538	538	538	538	8,350	8,400	838	838	838	838	11,350	11,400	1,148	1,148	1,148	1,148	11,350	11,400	1,148	1,148	1,148	1,148
5,400	5,450	543	543	543	543	8,400	8,450	843	843	843	843	11,400	11,450	1,153	1,153	1,153	1,153	11,400	11,450	1,153	1,153	1,153	1,153
5,450	5,500	548	548	548	548	8,450	8,500	848	848	848	848	11,450	11,500	1,158	1,158	1,158	1,158	11,450	11,500	1,158	1,158	1,158	1,158
5,500	5,550	553	553	553	553	8,500	8,550	853	853	853	853	11,500	11,550	1,163	1,163	1,163	1,163	11,500	11,550	1,163	1,163	1,163	1,163
5,550	5,600	558	558	558	558	8,550	8,600	858	858	858	858	11,550	11,600	1,168	1,168	1,168	1,168	11,550	11,600	1,168	1,168	1,168	1,168
5,600	5,650	563	563	563																			

If line 10 (taxable income) is—		And you are—				If line 10 (taxable income) is—		And you are—				If line 10 (taxable income) is—		And you are—																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
At least	But less than	Single	Married filing jointly *	Married filing separately	Head of a household	At least	But less than	Single	Married filing jointly *	Married filing separately	Head of a household	At least	But less than	Single	Married filing jointly *	Married filing separately	Head of a household	At least	But less than	Single	Married filing jointly *	Married filing separately	Head of a household																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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12,000	12,050	1,253	1,203	1,253	1,203	15,000	15,050	1,613	1,503	1,613	1,531	18,000	18,050	1,973	1,803	1,973	1,891	12,050	12,100	1,259	1,208	1,259	1,208	15,050	15,100	1,619	1,508	1,619	1,537	18,050	18,100	1,979	1,808	1,979	1,897	12,100	12,150	1,265	1,213	1,265	1,213	15,100	15,150	1,625	1,513	1,625	1,543	18,100	18,150	1,985	1,813	1,985	1,903	12,150	12,200	1,271	1,218	1,271	1,218	15,150	15,200	1,631	1,518	1,631	1,549	18,150	18,200	1,991	1,818	1,991	1,909	12,200	12,250	1,277	1,223	1,277	1,223	15,200	15,250	1,637	1,523	1,637	1,555	18,200	18,250	1,997	1,823	1,997	1,915	12,250	12,300	1,283	1,228	1,283	1,228	15,250	15,300	1,643	1,528	1,643	1,561	18,250	18,300	2,003	1,828	2,003	1,921	12,300	12,350	1,289	1,233	1,289	1,233	15,300	15,350	1,649	1,533	1,649	1,567	18,300	18,350	2,009	1,833	2,009	1,927	12,350	12,400	1,295	1,238	1,295	1,238	15,350	15,400	1,655	1,538	1,655	1,573	18,350	18,400	2,015	1,838	2,015	1,933	12,400	12,450	1,301	1,243	1,301	1,243	15,400	15,450	1,661	1,543	1,661	1,579	18,400	18,450	2,021	1,843	2,021	1,939	12,450	12,500	1,307	1,248	1,307	1,248	15,450	15,500	1,667	1,548	1,667	1,585	18,450	18,500	2,027	1,848	2,027	1,945	12,500	12,550	1,313	1,253	1,313	1,253	15,500	15,550	1,673	1,553	1,673	1,591	18,500	18,550	2,033	1,853	2,033	1,951	12,550	12,600	1,319	1,258	1,319	1,258	15,550	15,600	1,679	1,558	1,679	1,597	18,550	18,600	2,039	1,858	2,039	1,957	12,600	12,650	1,325	1,263	1,325	1,263	15,600	15,650	1,685	1,563	1,685	1,603	18,600	18,650	2,045	1,863	2,045	1,963	12,650	12,700	1,331	1,268	1,331	1,268	15,650	15,700	1,691	1,568	1,691	1,609	18,650	18,700	2,051	1,868	2,051	1,969	12,700	12,750	1,337	1,273	1,337	1,273	15,700	15,750	1,697	1,573	1,697	1,615	18,700	18,750	2,057	1,873	2,057	1,975	12,750	12,800	1,343	1,278	1,343	1,278	15,750	15,800	1,703	1,578	1,703	1,621	18,750	18,800	2,063	1,878	2,063	1,981	12,800	12,850	1,349	1,283	1,349	1,283	15,800	15,850	1,709	1,583	1,709	1,627	18,800	18,850	2,069	1,883	2,069	1,987	12,850	12,900	1,355	1,288	1,355	1,288	15,850	15,900	1,715	1,588	1,715	1,633	18,850	18,900	2,075	1,888	2,075	1,993	12,900	12,950	1,361	1,293	1,361	1,293	15,900	15,950	1,721	1,593	1,721	1,639	18,900	18,950	2,081	1,893	2,081	1,999	12,950	13,000	1,367	1,298	1,367	1,298	15,950	16,000	1,727	1,598	1,727	1,645	18,950	19,000	2,087	1,898	2,087	2,005	13,000						16,000						19,000						13,000	13,050	1,373	1,303	1,373	1,303	16,000	16,050	1,733	1,603	1,733	1,651	19,000	19,050	2,093	1,903	2,093	2,011	13,050	13,100	1,379	1,308	1,379	1,308	16,050	16,100	1,739	1,608	1,739	1,657	19,050	19,100	2,099	1,908	2,099	2,017	13,100	13,150	1,385	1,313	1,385	1,313	16,100	16,150	1,745	1,613	1,745	1,663	19,100	19,150	2,105	1,914	2,105	2,023	13,150	13,200	1,391	1,318	1,391	1,318	16,150	16,200	1,751	1,618	1,751	1,669	19,150	19,200	2,111	1,920	2,111	2,029	13,200	13,250	1,397	1,323	1,397	1,323	16,200	16,250	1,757	1,623	1,757	1,675	19,200	19,250	2,117	1,926	2,117	2,035	13,250	13,300	1,403	1,328	1,403	1,328	16,250	16,300	1,763	1,628	1,763	1,681	19,250	19,300	2,123	1,932	2,123	2,041	13,300	13,350	1,409	1,333	1,409	1,333	16,300	16,350	1,769	1,633	1,769	1,687	19,300	19,350	2,129	1,938	2,129	2,047	13,350	13,400	1,415	1,338	1,415	1,338	16,350	16,400	1,775	1,638	1,775	1,693	19,350	19,400	2,135	1,944	2,135	2,053	13,400	13,450	1,421	1,343	1,421	1,343	16,400	16,450	1,781	1,643	1,781	1,699	19,400	19,450	2,141	1,950	2,141	2,059	13,450	13,500	1,427	1,348	1,427	1,348	16,450	16,500	1,787	1,648	1,787	1,705	19,450	19,500	2,147	1,956	2,147	2,065	13,500	13,550	1,433	1,353	1,433	1,353	16,500	16,550	1,793	1,653	1,793	1,711	19,500	19,550	2,153	1,962	2,153	2,071	13,550	13,600	1,439	1,358	1,439	1,358	16,550	16,600	1,799	1,658	1,799	1,717	19,550	19,600	2,159	1,968	2,159	2,077	13,600	13,650	1,445	1,363	1,445	1,363	16,600	16,650	1,805	1,663	1,805	1,723	19,600	19,650	2,165	1,974	2,165	2,083	13,650	13,700	1,451	1,368	1,451	1,369	16,650	16,700	1,811	1,668	1,811	1,729	19,650	19,700	2,171	1,980	2,171	2,089	13,700	13,750	1,457	1,373	1,457	1,375	16,700	16,750	1,817	1,673	1,817	1,735	19,700	19,750	2,177	1,986	2,177	2,095	13,750	13,800	1,463	1,378	1,463	1,381	16,750	16,800	1,823	1,678	1,823	1,741	19,750	19,800	2,183	1,992	2,183	2,101	13,800	13,850	1,469	1,383	1,469	1,387	16,800	16,850	1,829	1,683	1,829	1,747	19,800	19,850	2,189	1,998	2,189	2,107	13,850	13,900	1,475	1,388	1,475	1,393	16,850	16,900	1,835	1,688	1,835	1,753	19,850	19,900	2,195	2,004	2,195	2,113	13,900	13,950	1,481	1,393	1,481	1,399	16,900	16,950	1,841	1,693	1,841	1,759	19,900	19,950	2,201	2,010	2,201	2,119	13,950	14,000	1,487	1,398	1,487	1,405	16,950	17,000	1,847	1,698	1,847	1,765	19,950	20,000	2,207	2,016	2,207	2,125	14,000						17,000						20,000						14,000	14,050	1,493	1,403	1,493	1,411	17,000	17,050	1,853	1,703	1,853	1,771	20,000	20,050	2,213	2,022	2,213	2,131	14,050	14,100	1,499	1,408	1,499	1,417	17,050	17,100	1,859	1,708	1,859	1,777	20,050	20,100	2,219	2,028	2,219	2,137	14,100	14,150	1,505	1,413	1,505	1,423	17,100	17,150	1,865	1,713	1,865	1,783	20,100	20,150	2,225	2,034	2,225	2,143	14,150	14,200	1,511	1,418	1,511	1,429	17,150	17,200	1,871	1,718	1,871	1,789	20,150	20,200	2,231	2,040	2,231	2,149	14,200	14,250	1,517	1,423	1,517	1,435	17,200	17,250	1,877	1,723	1,877	1,795	20,200	20,250	2,237	2,046	2,237	2,155	14,250	14,300	1,523	1,428	1,523	1,441	17,250	17,300	1,883	1,728	1,883	1,801	20,250	20,300	2,243	2,052	2,243	2,161	14,300	14,350	1,529	1,433	1,529	1,447	17,300	17,350	1,889	1,733	1,889	1,807	20,300	20,350	2,249	2,058	2,249	2,167	14,350	14,400	1,535	1,438	1,535	1,453	17,350	17,400	1,895	1,738	1,895	1,813	20,350	20,400	2,255	2,064	2,255	2,173	14,400	14,450	1,541	1,443	1,541	1,459	17,400	17,450	1,901	1,743	1,901	1,819	20,400	20,450	2,261	2,070	2,261	2,179	14,450	14,500	1,547	1,448	1,547	1,465	17,450	17,500	1,907	1,748	1,907	1,825	20,450	20,500	2,267	2,076	2,267	2,185	14,500	14,550	1,553	1,453	1,553	1,471	17,500	17,550	1,913	1,753	1,913	1,831	20,500	20,550	2,273	2,082	2,273	2,191	14,550	14,600	1,559	1,458	1,559	1,477	17,550	17,600	1,919	1,758	1,919	1,837	20,550	20,600	2,279	2,088	2,279	2,197	14,600	14,650	1,565	1,463	1,565	1,483	17,600	17,650	1,925	1,763	1,925	1,843	20,600	20,650	2,285	2,094	2,285	2,203	14,650	14,700	1,571	1,468	1,571	1,489	17,650	17,700	1,931	1,768	1,931	1,849	20,650	20,700	2,291	2,100	2,291	2,209	14,700	14,750	1,577	1,473	1,577	1,495	17,700	17,750	1,937	1,773	1,937	1,855	20,700	20,750	2,297	2,106	2,297	2,215	14,750	14,800	1,583	1,478	1,583	1,501	17,750	17,800	1,943	1,778	1,943	1,861	20,750	20,800	2,303	2,112	2,303	2,221	14,800	14,850	1,589	1,483	1,589	1,507	17,800	17,850	1,949	1,783	1,949	1,867	20,800	20,850	2,309	2,118	2,309	2,227	14,850	14,900	1,595	1,488	1,595	1,513	17,850	17,900	1,955	1,788	1,955	1,873	20,850	20,900	2,315	2,124	2,315	2,233	14,900	14,950	1,601	1,493	1,601	1,519	17,900	17,950	1,961	1,793	1,961	1,879	20,900	20,950	2,321	2,130	2,321	2,239	14,950	15,000	1,607	1,498	1,607	1,525	17,950	18,000	1,967	1,798	1,967	1,885	20,950	21,000	2,327	2,136	2,327	2,245
12,250	12,300	1,283	1,228	1,283	1,228	15,250	15,300	1,643	1,528	1,643	1,561	18,250	18,300	2,003	1,828	2,003	1,921	12,300	12,350	1,289	1,233	1,289	1,233	15,300	15,350	1,649	1,533	1,649	1,567	18,300	18,350	2,009	1,833	2,009	1,927	12,350	12,400	1,295	1,238	1,295	1,238	15,350	15,400	1,655	1,538	1,655	1,573	18,350	18,400	2,015	1,838	2,015	1,933	12,400	12,450	1,301	1,243	1,301	1,243	15,400	15,450	1,661	1,543	1,661	1,579	18,400	18,450	2,021	1,843	2,021	1,939	12,450	12,500	1,307	1,248	1,307	1,248	15,450	15,500	1,667	1,548	1,667	1,585	18,450	18,500	2,027	1,848	2,027	1,945	12,500	12,550	1,313	1,253	1,313	1,253	15,500	15,550	1,673	1,553	1,673	1,591	18,500	18,550	2,033	1,853	2,033	1,951	12,550	12,600	1,319	1,258	1,319	1,258	15,550	15,600	1,679	1,558	1,679	1,597	18,550	18,600	2,039	1,858	2,039	1,957	12,600	12,650	1,325	1,263	1,325	1,263	15,600	15,650	1,685	1,563	1,685	1,603	18,600	18,650	2,045	1,863	2,045	1,963	12,650	12,700	1,331	1,268	1,331	1,268	15,650	15,700	1,691	1,568	1,691	1,609	18,650	18,700	2,051	1,868	2,051	1,969	12,700	12,750	1,337	1,273	1,337	1,273	15,700	15,750	1,697	1,573	1,697	1,615	18,700	18,750	2,057	1,873	2,057	1,975	12,750	12,800	1,343	1,278	1,343	1,278	15,750	15,800	1,703	1,578	1,703	1,621	18,750	18,800	2,063	1,878	2,063	1,981	12,800	12,850	1,349	1,283	1,349	1,283	15,800	15,850	1,709	1,583	1,709	1,627	18,800	18,850	2,069	1,883	2,069	1,987	12,850	12,900	1,355	1,288	1,355	1,288	15,850	15,900	1,715	1,588	1,715	1,633	18,850	18,900	2,075	1,888	2,075	1,993	12,900	12,950	1,361	1,293	1,361	1,293	15,900	15,950	1,721	1,593	1,721	1,639	18,900	18,950	2,081	1,893	2,081	1,999	12,950	13,000	1,367	1,298	1,367	1,298	15,950	16,000	1,727	1,598	1,727	1,645	18,950	19,000	2,087	1,898	2,087	2,005	13,000						16,000						19,000						13,000	13,050	1,373	1,303	1,373	1,303	16,000	16,050	1,733	1,603	1,733	1,651	19,000	19,050	2,093	1,903	2,093	2,011	13,050	13,100	1,379	1,308	1,379	1,308	16,050	16,100	1,739	1,608	1,739	1,657	19,050	19,100	2,099	1,908	2,099	2,017	13,100	13,150	1,385	1,313	1,385	1,313	16,100	16,150	1,745	1,613	1,745	1,663	19,100	19,150	2,105	1,914	2,105	2,023	13,150	13,200	1,391	1,318	1,391	1,318	16,150	16,200	1,751	1,618	1,751	1,669	19,150	19,200	2,111	1,920	2,111	2,029	13,200	13,250	1,397	1,323	1,397	1,323	16,200	16,250	1,757	1,623	1,757	1,675	19,200	19,250	2,117	1,926	2,117	2,035	13,250	13,300	1,403	1,328	1,403	1,328	16,250	16,300	1,763	1,628	1,763	1,681	19,250	19,300	2,123	1,932	2,123	2,041	13,300	13,350	1,409	1,333	1,409	1,333	16,300	16,350	1,769	1,633	1,769	1,687	19,300	19,350	2,129	1,938	2,129	2,047	13,350	13,400	1,415	1,338	1,415	1,338	16,350	16,400	1,775	1,638	1,775	1,693	19,350	19,400	2,135	1,944	2,135	2,053	13,400	13,450	1,421	1,343	1,421	1,343	16,400	16,450	1,781	1,643	1,781	1,699	19,400	19,450	2,141	1,950	2,141	2,059	13,450	13,500	1,427	1,348	1,427	1,348	16,450	16,500	1,787	1,648	1,787	1,705	19,450	19,500	2,147	1,956	2,147	2,065	13,500	13,550	1,433	1,353	1,433	1,353	16,500	16,550	1,793	1,653	1,793	1,711	19,500	19,550	2,153	1,962	2,153	2,071	13,550	13,600	1,439	1,358	1,439	1,358	16,550	16,600	1,799	1,658	1,799	1,717	19,550	19,600	2,159	1,968	2,159	2,077	13,600	13,650	1,445	1,363	1,445	1,363	16,600	16,650	1,805	1,663	1,805	1,723	19,600	19,650	2,165	1,974	2,165	2,083	13,650	13,700	1,451	1,368	1,451	1,369	16,650	16,700	1,811	1,668	1,811	1,729	19,650	19,700	2,171	1,980	2,171	2,089	13,700	13,750	1,457	1,373	1,457	1,375	16,700	16,750	1,817	1,673	1,817	1,735	19,700	19,750	2,177	1,986	2,177	2,095	13,750	13,800	1,463	1,378	1,463	1,381	16,750	16,800	1,823	1,678	1,823	1,741	19,750	19,800	2,183	1,992	2,183	2,101	13,800	13,850	1,469	1,383	1,469	1,387	16,800	16,850	1,829	1,683	1,829	1,747	19,800	19,850	2,189	1,998	2,189	2,107	13,850	13,900	1,475	1,388	1,475	1,393	16,850	16,900	1,835	1,688	1,835	1,753	19,850	19,900	2,195	2,004	2,195	2,113	13,900	13,950	1,481	1,393	1,481	1,399	16,900	16,950	1,841	1,693	1,841	1,759	19,900	19,950	2,201	2,010	2,201	2,119	13,950	14,000	1,487	1,398	1,487	1,405	16,950	17,000	1,847	1,698	1,847	1,765	19,950	20,000	2,207	2,016	2,207	2,125	14,000						17,000						20,000						14,000	14,050	1,493	1,403	1,493	1,411	17,000	17,050	1,853	1,703	1,853	1,771	20,000	20,050	2,213	2,022	2,213	2,131	14,050	14,100	1,499	1,408	1,499	1,417	17,050	17,100	1,859	1,708	1,859	1,777	20,050	20,100	2,219	2,028	2,219	2,137	14,100	14,150	1,505	1,413	1,505	1,423	17,100	17,150	1,865	1,713	1,865	1,783	20,100	20,150	2,225	2,034	2,225	2,143	14,150	14,200	1,511	1,418	1,511	1,429	17,150	17,200	1,871	1,718	1,871	1,789	20,150	20,200	2,231	2,040	2,231	2,149	14,200	14,250	1,517	1,423	1,517	1,435	17,200	17,250	1,877	1,723	1,877	1,795	20,200	20,250	2,237	2,046	2,237	2,155	14,250	14,300	1,523	1,428	1,523	1,441	17,250	17,300	1,883	1,728	1,883	1,801	20,250	20,300	2,243	2,052	2,243	2,161	14,300	14,350	1,529	1,433	1,529	1,447	17,300	17,350	1,889	1,733	1,889	1,807	20,300	20,350	2,249	2,058	2,249	2,167	14,350	14,400	1,535	1,438	1,535	1,453	17,350	17,400	1,895	1,738	1,895	1,813	20,350	20,400	2,255	2,064	2,255	2,173	14,400	14,450	1,541	1,443	1,541	1,459	17,400	17,450	1,901	1,743	1,901	1,819	20,400	20,450	2,261	2,070	2,261	2,179	14,450	14,500	1,547	1,448	1,547	1,465	17,450	17,500	1,907	1,748	1,907	1,825	20,450	20,500	2,267	2,076	2,267	2,185	14,500	14,550	1,553	1,453	1,553	1,471	17,500	17,550	1,913	1,753	1,913	1,831	20,500	20,550	2,273	2,082	2,273	2,191	14,550	14,600	1,559	1,458	1,559	1,477	17,550	17,600	1,919	1,758	1,919	1,837	20,550	20,600	2,279	2,088	2,279	2,197	14,600	14,650	1,565	1,463	1,565	1,483	17,600	17,650	1,925	1,763	1,925	1,843	20,600	20,650	2,285	2,094	2,285	2,203	14,650	14,700	1,571	1,468	1,571	1,489	17,650	17,700	1,931	1,768	1,931	1,849	20,650	20,700	2,291	2,100	2,291	2,209	14,700	14,750	1,577	1,473	1,577	1,495	17,700	17,750	1,937	1,773	1,937	1,855	20,700	20,750	2,297	2,106	2,297	2,215	14,750	14,800	1,583	1,478	1,583	1,501	17,750	17,800	1,943	1,778	1,943	1,861	20,750	20,800	2,303	2,112	2,303	2,221	14,800	14,850	1,589	1,483	1,589	1,507	17,800	17,850	1,949	1,783	1,949	1,867	20,800	20,850	2,309	2,118	2,309	2,227	14,850	14,900	1,595	1,488	1,595	1,513	17,850	17,900	1,955	1,788	1,955	1,873	20,850	20,900	2,315	2,124	2,315	2,233	14,900	14,950	1,601	1,493	1,601	1,519	17,900	17,950	1,961	1,793	1,961	1,879	20,900	20,950	2,321	2,130	2,321	2,239	14,950	15,000	1,607	1,498	1,607	1,525	17,950	18,000	1,967	1,798	1,967	1,885	20,950	21,000	2,327	2,136	2,327	2,245																																																																																										
12,500	12,550	1,313	1,253	1,313	1,253	15,500	15,550	1,673	1,553	1,673	1,591	18,500	18,550	2,033	1,853	2,033	1,951	12,550	12,600	1,319	1,258	1,319	1,258	15,550	15,600	1,679	1,558	1,679	1,597	18,550	18,600	2,039	1,858	2,039	1,957	12,600	12,650	1,325	1,263	1,325	1,263	15,600	15,650	1,685	1,563	1,685	1,603	18,600	18,650	2,045	1,863	2,045	1,963	12,650	12,700	1,331	1,268	1,331	1,268	15,650	15,700	1,691	1,568	1,691	1,609	18,650	18,700	2,051	1,868	2,051	1,969	12,700	12,750	1,337	1,273	1,337	1,273	15,700	15,750	1,697	1,573	1,697	1,615	18,700	18,750	2,057	1,873	2,057	1,975	12,750	12,800	1,343	1,278	1,343	1,278	15,750	15,800	1,703	1,578	1,703	1,621	18,750	18,800	2,063	1,878	2,063	1,981	12,800	12,850	1,349	1,283	1,349	1,283	15,800	15,850	1,709	1,583	1,709	1,627	18,800	18,850	2,069	1,883	2,069	1,987	12,850	12,900	1,355	1,288	1,355	1,288	15,850	15,900	1,715	1,588	1,715	1,633	18,850	18,900	2,075	1,888	2,075	1,993	12,900	12,950	1,361	1,293	1,361	1,293	15,900	15,950	1,721	1,593	1,721	1,639	18,900	18,950	2,081	1,893	2,081	1,999	12,950	13,000	1,367	1,298	1,367	1,298	15,950	16,000	1,727	1,598	1,727	1,645	18,950	19,000	2,087	1,898	2,087	2,005	13,000						16,000						19,000						13,000	13,050	1,373	1,303	1,373	1,303	16,000	16,050	1,733	1,603	1,733	1,651	19,000	19,050	2,093	1,903	2,093	2,011	13,050	13,100	1,379	1,308	1,379	1,308	16,050	16,100	1,739	1,608	1,739	1,657	19,050	19,100	2,099	1,908	2,099	2,017	13,100	13,150	1,385	1,313	1,385	1,313	16,100	16,150	1,745	1,613	1,745	1,663	19,100	19,150	2,105	1,914	2,105	2,023	13,150	13,200	1,391	1,318	1,391	1,318	16,150	16,200	1,751	1,618	1,751	1,669	19,150	19,200	2,111	1,920	2,111	2,029	13,200	13,250	1,397	1,323	1,397	1,323	16,200	16,250	1,757	1,623	1,757	1,675	19,200	19,250	2,117	1,926	2,117	2,035	13,250	13,300	1,403	1,328	1,403	1,328	16,250	16,300	1,763	1,628	1,763	1,681	19,250	19,300	2,123	1,932	2,123	2,041	13,300	13,350	1,409	1,333	1,409	1,333	16,300	16,350	1,769	1,633	1,769	1,687	19,300	19,350	2,129	1,938	2,129	2,047	13,350	13,400	1,415	1,338	1,415	1,338	16,350	16,400	1,775	1,638	1,775	1,693	19,350	19,400	2,135	1,944	2,135	2,053	13,400	13,450	1,421	1,343	1,421	1,343	16,400	16,450	1,781	1,643	1,781	1,699	19,400	19,450	2,141	1,950	2,141	2,059	13,450	13,500	1,427	1,348	1,427	1,348	16,450	16,500	1,787	1,648	1,787	1,705	19,450	19,500	2,147	1,956	2,147	2,065	13,500	13,550	1,433	1,353	1,433	1,353	16,500	16,550	1,793	1,653	1,793	1,711	19,500	19,550	2,153	1,962	2,153	2,071	13,550	13,600	1,439	1,358	1,439	1,358	16,550	16,600	1,799	1,658	1,799	1,717	19,550	19,600	2,159	1,968	2,159	2,077	13,600	13,650	1,445	1,363	1,445	1,363	16,600	16,650	1,805	1,663	1,805	1,723	19,600	19,650	2,165	1,974	2,165	2,083	13,650	13,700	1,451	1,368	1,451	1,369	16,650	16,700	1,811	1,668	1,811	1,729	19,650	19,700	2,171	1,980	2,171	2,089	13,700	13,750	1,457	1,373	1,457	1,375	16,700	16,750	1,817	1,673	1,817	1,735	19,700	19,750	2,177	1,986	2,177	2,095	13,750	13,800	1,463	1,378	1,463	1,381	16,750	16,800	1,823	1,678	1,823	1,741	19,750	19,800	2,183	1,992	2,183	2,101	13,800	13,850	1,469	1,383	1,469	1,387	16,800	16,850	1,829	1,683	1,829	1,747	19,800	19,850	2,189	1,998	2,189	2,107	13,850	13,900	1,475	1,388	1,475	1,393	16,850	16,900	1,835	1,688	1,835	1,753	19,850	19,900	2,195	2,004	2,195	2,113	13,900	13,950	1,481	1,393	1,481	1,399	16,900	16,950	1,841	1,693	1,841	1,759	19,900	19,950	2,201	2,010	2,201	2,119	13,950	14,000	1,487	1,398	1,487	1,405	16,950	17,000	1,847	1,698	1,847	1,765	19,950	20,000	2,207	2,016	2,207	2,125	14,000						17,000						20,000						14,000	14,050	1,493	1,403	1,493	1,411	17,000	17,050	1,853	1,703	1,853	1,771	20,000	20,050	2,213	2,022	2,213	2,131	14,050	14,100	1,499	1,408	1,499	1,417	17,050	17,100	1,859	1,708	1,859	1,777	20,050	20,100	2,219	2,028	2,219	2,137	14,100	14,150	1,505	1,413	1,505	1,423	17,100	17,150	1,865	1,713	1,865	1,783	20,100	20,150	2,225	2,034	2,225	2,143	14,150	14,200	1,511	1,418	1,511	1,429	17,150	17,200	1,871	1,718	1,871	1,789	20,150	20,200	2,231	2,040	2,231	2,149	14,200	14,250	1,517	1,423	1,517	1,435	17,200	17,250	1,877	1,723	1,877	1,795	20,200	20,250	2,237	2,046	2,237	2,155	14,250	14,300	1,523	1,428	1,523	1,441	17,250	17,300	1,883	1,728	1,883	1,801	20,250	20,300	2,243	2,052	2,243	2,161	14,300	14,350	1,529	1,433	1,529	1,447	17,300	17,350	1,889	1,733	1,889	1,807	20,300	20,350	2,249	2,058	2,249	2,167	14,350	14,400	1,535	1,438	1,535	1,453	17,350	17,400	1,895	1,738	1,895	1,813	20,350	20,400	2,255	2,064	2,255	2,173	14,400	14,450	1,541	1,443	1,541	1,459	17,400	17,450	1,901	1,743	1,901	1,819	20,400	20,450	2,261	2,070	2,261	2,179	14,450	14,500	1,547	1,448	1,547	1,465	17,450	17,500	1,907	1,748	1,907	1,825	20,450	20,500	2,267	2,076	2,267	2,185	14,500	14,550	1,553	1,453	1,553	1,471	17,500	17,550	1,913	1,753	1,913	1,831	20,500	20,550	2,273	2,082	2,273	2,191	14,550	14,600	1,559	1,458	1,559	1,477	17,550	17,600	1,919	1,758	1,919	1,837	20,550	20,600	2,279	2,088	2,279	2,197	14,600	14,650	1,565	1,463	1,565	1,483	17,600	17,650	1,925	1,763	1,925	1,843	20,600	20,650	2,285	2,094	2,285	2,203	14,650	14,700	1,571	1,468	1,571	1,489	17,650	17,700	1,931	1,768	1,931	1,849	20,650	20,700	2,291	2,100	2,291	2,209	14,700	14,750	1,577	1,473	1,577	1,495	17,700	17,750	1,937	1,773	1,937	1,855	20,700	20,750	2,297	2,106	2,297	2,215	14,750	14,800	1,583	1,478	1,583	1,501	17,750	17,800	1,943	1,778	1,943	1,861	20,750	20,800	2,303	2,112	2,303	2,221	14,800	14,850	1,589	1,483	1,589	1,507	17,800	17,850	1,949	1,783	1,949	1,867	20,800	20,850	2,309	2,118	2,309	2,227	14,850	14,900	1,595	1,488	1,595	1,513	17,850	17,900	1,955	1,788	1,955	1,873	20,850	20,900	2,315	2,124	2,315	2,233	14,900	14,950	1,601	1,493	1,601	1,519	17,900	17,950	1,961	1,793	1,961	1,879	20,900	20,950	2,321	2,130	2,321	2,239	14,950	15,000	1,607	1,498	1,607	1,525	17,950	18,000	1,967	1,798	1,967	1,885	20,950	21,000	2,327	2,136	2,327	2,245																																																																																																																																																																																				
12,750	12,800	1,343	1,278	1,343	1,278	15,750	15,800	1,703	1,578	1,703	1,621	18,750	18,800	2,063	1,878	2,063	1,981	12,800	12,850	1,349	1,283	1,349	1,283	15,800	15,850	1,709	1,583	1,709	1,627	18,800	18,850	2,069	1,883	2,069	1,987	12,850	12,900	1,355	1,288	1,355	1,288	15,850	15,900	1,715	1,588	1,715	1,633	18,850	18,900	2,075	1,888	2,075	1,993	12,900	12,950	1,361	1,293	1,361	1,293	15,900	15,950	1,721	1,593	1,721	1,639	18,900	18,950	2,081	1,893	2,081	1,999	12,950	13,000	1,367	1,298	1,367	1,298	15,950	16,000	1,727	1,598	1,727	1,645	18,950	19,000	2,087	1,898	2,087	2,005	13,000						16,000						19,000						13,000	13,050	1,373	1,303	1,373	1,303	16,000	16,050	1,733	1,603	1,733	1,651	19,000	19,050	2,093	1,903	2,093	2,011	13,050	13,100	1,379	1,308	1,379	1,308	16,050	16,100	1,739	1,608	1,739	1,657	19,050	19,100	2,099	1,908	2,099	2,017	13,100	13,150	1,385	1,313	1,385	1,313	16,100	16,150	1,745	1,613	1,745	1,663	19,100	19,150	2,105	1,914	2,105	2,023	13,150	13,200	1,391	1,318	1,391	1,318	16,150	16,200	1,751	1,618	1,751	1,669	19,150	19,200	2,111	1,920	2,111	2,029	13,200	13,250	1,397	1,323	1,397	1,323	16,200	16,250	1,757	1,623	1,757	1,675	19,200	19,250	2,117	1,926	2,117	2,035	13,250	13,300	1,403	1,328	1,403	1,328	16,250	16,300	1,763	1,628	1,763	1,681	19,250	19,300	2,123	1,932	2,123	2,041	13,300	13,350	1,409	1,333	1,409	1,333	16,300	16,350	1,769	1,633	1,769	1,687	19,300	19,350	2,129	1,938	2,129	2,047	13,350	13,400	1,415	1,338	1,415	1,338	16,350	16,400	1,775	1,638	1,775	1,693	19,350	19,400	2,135	1,944	2,135	2,053	13,400	13,450	1,421	1,343	1,421	1,343	16,400	16,450	1,781	1,643	1,781	1,699	19,400	19,450	2,141	1,950	2,141	2,059	13,450	13,500	1,427	1,348	1,427	1,348	16,450	16,500	1,787	1,648	1,787	1,705	19,450	19,500	2,147	1,956	2,147	2,065	13,500	13,550	1,433	1,353	1,433	1,353	16,500	16,550	1,793	1,653	1,793	1,711	19,500	19,550	2,153	1,962	2,153	2,071	13,550	13,600	1,439	1,358	1,439	1,358	16,550	16,600	1,799	1,658	1,799	1,717	19,550	19,600	2,159	1,968	2,159	2,077	13,600	13,650	1,445	1,363	1,445	1,363	16,600	16,650	1,805	1,663	1,805	1,723	19,600	19,650	2,165	1,974	2,165	2,083	13,650	13,700	1,451	1,368	1,451	1,369	16,650	16,700	1,811	1,668	1,811	1,729	19,650	19,700	2,171	1,980	2,171	2,089	13,700	13,750	1,457	1,373	1,457	1,375	16,700	16,750	1,817	1,673	1,817	1,735	19,700	19,750	2,177	1,986	2,177	2,095	13,750	13,800	1,463	1,378	1,463	1,381	16,750	16,800	1,823	1,678	1,823	1,741	19,750	19,800	2,183	1,992	2,183	2,101	13,800	13,850	1,469	1,383	1,469	1,387	16,800	16,850	1,829	1,683	1,829	1,747	19,800	19,850	2,189	1,998	2,189	2,107	13,850	13,900	1,475	1,388	1,475	1,393	16,850	16,900	1,835	1,688	1,835	1,753	19,850	19,900	2,195	2,004	2,195	2,113	13,900	13,950	1,481	1,393	1,481	1,399	16,900	16,950	1,841	1,693	1,841	1,759	19,900	19,950	2,201	2,010	2,201	2,119	13,950	14,000	1,487	1,398	1,487	1,405	16,950	17,000	1,847	1,698	1,847	1,765	19,950	20,000	2,207	2,016	2,207	2,125	14,000						17,000						20,000						14,000	14,050	1,493	1,403	1,493	1,411	17,000	17,050	1,853	1,703	1,853	1,771	20,000	20,050	2,213	2,022	2,213	2,131	14,050	14,100	1,499	1,408	1,499	1,417	17,050	17,100	1,859	1,708	1,859	1,777	20,050	20,100	2,219	2,028	2,219	2,137	14,100	14,150	1,505	1,413	1,505	1,423	17,100	17,150	1,865	1,713	1,865	1,783	20,100	20,150	2,225	2,034	2,225	2,143	14,150	14,200	1,511	1,418	1,511	1,429	17,150	17,200	1,871	1,718	1,871	1,789	20,150	20,200	2,231	2,040	2,231	2,149	14,200	14,250	1,517	1,423	1,517	1,435	17,200	17,250	1,877	1,723	1,877	1,795	20,200	20,250	2,237	2,046	2,237	2,155	14,250	14,300	1,523	1,428	1,523	1,441	17,250	17,300	1,883	1,728	1,883	1,801	20,250	20,300	2,243	2,052	2,243	2,161	14,300	14,350	1,529	1,433	1,529	1,447	17,300	17,350	1,889	1,733	1,889	1,807	20,300	20,350	2,249	2,058	2,249	2,167	14,350	14,400	1,535	1,438	1,535	1,453	17,350	17,400	1,895	1,738	1,895	1,813	20,350	20,400	2,255	2,064	2,255	2,173	14,400	14,450	1,541	1,443	1,541	1,459	17,400	17,450	1,901	1,743	1,901	1,819	20,400	20,450	2,261	2,070	2,261	2,179	14,450	14,500	1,547	1,448	1,547	1,465	17,450	17,500	1,907	1,748	1,907	1,825	20,450	20,500	2,267	2,076	2,267	2,185	14,500	14,550	1,553	1,453	1,553	1,471	17,500	17,550	1,913	1,753	1,913	1,831	20,500	20,550	2,273	2,082	2,273	2,191	14,550	14,600	1,559	1,458	1,559	1,477	17,550	17,600	1,919	1,758	1,919	1,837	20,550	20,600	2,279	2,088	2,279	2,197	14,600	14,650	1,565	1,463	1,565	1,483	17,600	17,650	1,925	1,763	1,925	1,843	20,600	20,650	2,285	2,094	2,285	2,203	14,650	14,700	1,571	1,468	1,571	1,489	17,650	17,700	1,931	1,768	1,931	1,849	20,650	20,700	2,291	2,100	2,291	2,209	14,700	14,750	1,577	1,473	1,577	1,495	17,700	17,750	1,937	1,773	1,937	1,855	20,700	20,750	2,297	2,106	2,297	2,215	14,750	14,800	1,583	1,478	1,583	1,501	17,750	17,800	1,943	1,778	1,943	1,861	20,750	20,800	2,303	2,112	2,303	2,221	14,800	14,850	1,589	1,483	1,589	1,507	17,800	17,850	1,949	1,783	1,949	1,867	20,800	20,850	2,309	2,118	2,309	2,227	14,850	14,900	1,595	1,488	1,595	1,513	17,850	17,900	1,955	1,788	1,955	1,873	20,850	20,900	2,315	2,124	2,315	2,233	14,900	14,950	1,601	1,493	1,601	1,519	17,900	17,950	1,961	1,793	1,961	1,879	20,900	20,950	2,321	2,130	2,321	2,239	14,950	15,000	1,607	1,498	1,607	1,525	17,950	18,000	1,967	1,798	1,967	1,885	20,950	21,000	2,327	2,136	2,327	2,245																																																																																																																																																																																																																																																																														
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13,000	13,050	1,373	1,303	1,373	1,303	16,000	16,050	1,733	1,603	1,733	1,651	19,000	19,050	2,093	1,903	2,093	2,011	13,050	13,100	1,379	1,308	1,379	1,308	16,050	16,100	1,739	1,608	1,739	1,657	19,050	19,100	2,099	1,908	2,099	2,017	13,100	13,150	1,385	1,313	1,385	1,313	16,100	16,150	1,745	1,613	1,745	1,663	19,100	19,150	2,105	1,914	2,105	2,023	13,150	13,200	1,391	1,318	1,391	1,318	16,150	16,200	1,751	1,618	1,751	1,669	19,150	19,200	2,111	1,920	2,111	2,029	13,200	13,250	1,397	1,323	1,397	1,323	16,200	16,250	1,757	1,623	1,757	1,675	19,200	19,250	2,117	1,926	2,117	2,035	13,250	13,300	1,403	1,328	1,403	1,328	16,250	16,300	1,763	1,628	1,763	1,681	19,250	19,300	2,123	1,932	2,123	2,041	13,300	13,350	1,409	1,333	1,409	1,333	16,300	16,350	1,769	1,633	1,769	1,687	19,300	19,350	2,129	1,938	2,129	2,047	13,350	13,400	1,415	1,338	1,415	1,338	16,350	16,400	1,775	1,638	1,775	1,693	19,350	19,400	2,135	1,944	2,135	2,053	13,400	13,450	1,421	1,343	1,421	1,343	16,400	16,450	1,781	1,643	1,781	1,699	19,400	19,450	2,141	1,950	2,141	2,059	13,450	13,500	1,427	1,348	1,427	1,348	16,450	16,500	1,787	1,648	1,787	1,705	19,450	19,500	2,147	1,956	2,147	2,065	13,500	13,550	1,433	1,353	1,433	1,353	16,500	16,550	1,793	1,653	1,793	1,711	19,500	19,550	2,153	1,962	2,153	2,071	13,550	13,600	1,439	1,358	1,439	1,358	16,550	16,600	1,799	1,658	1,799	1,717	19,550	19,600	2,159	1,968	2,159	2,077	13,600	13,650	1,445	1,363	1,445	1,363	16,600	16,650	1,805	1,663	1,805	1,723	19,600	19,650	2,165	1,974	2,165	2,083	13,650	13,700	1,451	1,368	1,451	1,369	16,650	16,700	1,811	1,668	1,811	1,729	19,650	19,700	2,171	1,980	2,171	2,089	13,700	13,750	1,457	1,373	1,457	1,375	16,700	16,750	1,817	1,673	1,817	1,735	19,700	19,750	2,177	1,986	2,177	2,095	13,750	13,800	1,463	1,378	1,463	1,381	16,750	16,800	1,823	1,678	1,823	1,741	19,750	19,800	2,183	1,992	2,183	2,101	13,800	13,850	1,469	1,383	1,469	1,387	16,800	16,850	1,829	1,683	1,829	1,747	19,800	19,850	2,189	1,998	2,189	2,107	13,850	13,900	1,475	1,388	1,475	1,393	16,850	16,900	1,835	1,688	1,835	1,753	19,850	19,900	2,195	2,004	2,195	2,113	13,900	13,950	1,481	1,393	1,481	1,399	16,900	16,950	1,841	1,693	1,841	1,759	19,900	19,950	2,201	2,010	2,201	2,119	13,950	14,000	1,487	1,398	1,487	1,405	16,950	17,000	1,847	1,698	1,847	1,765	19,950	20,000	2,207	2,016	2,207	2,125	14,000						17,000						20,000						14,000	14,050	1,493	1,403	1,493	1,411	17,000	17,050	1,853	1,703	1,853	1,771	20,000	20,050	2,213	2,022	2,213	2,131	14,050	14,100	1,499	1,408	1,499	1,417	17,050	17,100	1,859	1,708	1,859	1,777	20,050	20,100	2,219	2,028	2,219	2,137	14,100	14,150	1,505	1,413	1,505	1,423	17,100	17,150	1,865	1,713	1,865	1,783	20,100	20,150	2,225	2,034	2,225	2,143	14,150	14,200	1,511	1,418	1,511	1,429	17,150	17,200	1,871	1,718	1,871	1,789	20,150	20,200	2,231	2,040	2,231	2,149	14,200	14,250	1,517	1,423	1,517	1,435	17,200	17,250	1,877	1,723	1,877	1,795	20,200	20,250	2,237	2,046	2,237	2,155	14,250	14,300	1,523	1,428	1,523	1,441	17,250	17,300	1,883	1,728	1,883	1,801	20,250	20,300	2,243	2,052	2,243	2,161	14,300	14,350	1,529	1,433	1,529	1,447	17,300	17,350	1,889	1,733	1,889	1,807	20,300	20,350	2,249	2,058	2,249	2,167	14,350	14,400	1,535	1,438	1,535	1,453	17,350	17,400	1,895	1,738	1,895	1,813	20,350	20,400	2,255	2,064	2,255	2,173	14,400	14,450	1,541	1,443	1,541	1,459	17,400	17,450	1,901	1,743	1,901	1,819	20,400	20,450	2,261	2,070	2,261	2,179	14,450	14,500	1,547	1,448	1,547	1,465	17,450	17,500	1,907	1,748	1,907	1,825	20,450	20,500	2,267	2,076	2,267	2,185	14,500	14,550	1,553	1,453	1,553	1,471	17,500	17,550	1,913	1,753	1,913	1,831	20,500	20,550	2,273	2,082	2,273	2,191	14,550	14,600	1,559	1,458	1,559	1,477	17,550	17,600	1,919	1,758	1,919	1,837	20,550	20,600	2,279	2,088	2,279	2,197	14,600	14,650	1,565	1,463	1,565	1,483	17,600	17,650	1,925	1,763	1,925	1,843	20,600	20,650	2,285	2,094	2,285	2,203	14,650	14,700	1,571	1,468	1,571	1,489	17,650	17,700	1,931	1,768	1,931	1,849	20,650	20,700	2,291	2,100	2,291	2,209	14,700	14,750	1,577	1,473	1,577	1,495	17,700	17,750	1,937	1,773	1,937	1,855	20,700	20,750	2,297	2,106	2,297	2,215	14,750	14,800	1,583	1,478	1,583	1,501	17,750	17,800	1,943	1,778	1,943	1,861	20,750	20,800	2,303	2,112	2,303	2,221	14,800	14,850	1,589	1,483	1,589	1,507	17,800	17,850	1,949	1,783	1,949	1,867	20,800	20,850	2,309	2,118	2,309	2,227	14,850	14,900	1,595	1,488	1,595	1,513	17,850	17,900	1,955	1,788	1,955	1,873	20,850	20,900	2,315	2,124	2,315	2,233	14,900	14,950	1,601	1,493	1,601	1,519	17,900	17,950	1,961	1,793	1,961	1,879	20,900	20,950	2,321	2,130	2,321	2,239	14,950	15,000	1,607	1,498	1,607	1,525	17,950	18,000	1,967	1,798	1,967	1,885	20,950	21,000	2,327	2,136	2,327	2,245																																																																																																																																																																																																																																																																																																																																																																																										
13,250	13,300	1,403	1,328	1,403	1,328	16,250	16,300	1,763	1,628	1,763	1,681	19,250	19,300	2,123	1,932	2,123	2,041	13,300	13,350	1,409	1,333	1,409	1,333	16,300	16,350	1,769	1,633	1,769	1,687	19,300	19,350	2,129	1,938	2,129	2,047	13,350	13,400	1,415	1,338	1,415	1,338	16,350	16,400	1,775	1,638	1,775	1,693	19,350	19,400	2,135	1,944	2,135	2,053	13,400	13,450	1,421	1,343	1,421	1,343	16,400	16,450	1,781	1,643	1,781	1,699	19,400	19,450	2,141	1,950	2,141	2,059	13,450	13,500	1,427	1,348	1,427	1,348	16,450	16,500	1,787	1,648	1,787	1,705	19,450	19,500	2,147	1,956	2,147	2,065	13,500	13,550	1,433	1,353	1,433	1,353	16,500	16,550	1,793	1,653	1,793	1,711	19,500	19,550	2,153	1,962	2,153	2,071	13,550	13,600	1,439	1,358	1,439	1,358	16,550	16,600	1,799	1,658	1,799	1,717	19,550	19,600	2,159	1,968	2,159	2,077	13,600	13,650	1,445	1,363	1,445	1,363	16,600	16,650	1,805	1,663	1,805	1,723	19,600	19,650	2,165	1,974	2,165	2,083	13,650	13,700	1,451	1,368	1,451	1,369	16,650	16,700	1,811	1,668	1,811	1,729	19,650	19,700	2,171	1,980	2,171	2,089	13,700	13,750	1,457	1,373	1,457	1,375	16,700	16,750	1,817	1,673	1,817	1,735	19,700	19,750	2,177	1,986	2,177	2,095	13,750	13,800	1,463	1,378	1,463	1,381	16,750	16,800	1,823	1,678	1,823	1,741	19,750	19,800	2,183	1,992	2,183	2,101	13,800	13,850	1,469	1,383	1,469	1,387	16,800	16,850	1,829	1,683	1,829	1,747	19,800	19,850	2,189	1,998	2,189	2,107	13,850	13,900	1,475	1,388	1,475	1,393	16,850	16,900	1,835	1,688	1,835	1,753	19,850	19,900	2,195	2,004	2,195	2,113	13,900	13,950	1,481	1,393	1,481	1,399	16,900	16,950	1,841	1,693	1,841	1,759	19,900	19,950	2,201	2,010	2,201	2,119	13,950	14,000	1,487	1,398	1,487	1,405	16,950	17,000	1,847	1,698	1,847	1,765	19,950	20,000	2,207	2,016	2,207	2,125	14,000						17,000						20,000						14,000	14,050	1,493	1,403	1,493	1,411	17,000	17,050	1,853	1,703	1,853	1,771	20,000	20,050	2,213	2,022	2,213	2,131	14,050	14,100	1,499	1,408	1,499	1,417	17,050	17,100	1,859	1,708	1,859	1,777	20,050	20,100	2,219	2,028	2,219	2,137	14,100	14,150	1,505	1,413	1,505	1,423	17,100	17,150	1,865	1,713	1,865	1,783	20,100	20,150	2,225	2,034	2,225	2,143	14,150	14,200	1,511	1,418	1,511	1,429	17,150	17,200	1,871	1,718	1,871	1,789	20,150	20,200	2,231	2,040	2,231	2,149	14,200	14,250	1,517	1,423	1,517	1,435	17,200	17,250	1,877	1,723	1,877	1,795	20,200	20,250	2,237	2,046	2,237	2,155	14,250	14,300	1,523	1,428	1,523	1,441	17,250	17,300	1,883	1,728	1,883	1,801	20,250	20,300	2,243	2,052	2,243	2,161	14,300	14,350	1,529	1,433	1,529	1,447	17,300	17,350	1,889	1,733	1,889	1,807	20,300	20,350	2,249	2,058	2,249	2,167	14,350	14,400	1,535	1,438	1,535	1,453	17,350	17,400	1,895	1,738	1,895	1,813	20,350	20,400	2,255	2,064	2,255	2,173	14,400	14,450	1,541	1,443	1,541	1,459	17,400	17,450	1,901	1,743	1,901	1,819	20,400	20,450	2,261	2,070	2,261	2,179	14,450	14,500	1,547	1,448	1,547	1,465	17,450	17,500	1,907	1,748	1,907	1,825	20,450	20,500	2,267	2,076	2,267	2,185	14,500	14,550	1,553	1,453	1,553	1,471	17,500	17,550	1,913	1,753	1,913	1,831	20,500	20,550	2,273	2,082	2,273	2,191	14,550	14,600	1,559	1,458	1,559	1,477	17,550	17,600	1,919	1,758	1,919	1,837	20,550	20,600	2,279	2,088	2,279	2,197	14,600	14,650	1,565	1,463	1,565	1,483	17,600	17,650	1,925	1,763	1,925	1,843	20,600	20,650	2,285	2,094	2,285	2,203	14,650	14,700	1,571	1,468	1,571	1,489	17,650	17,700	1,931	1,768	1,931	1,849	20,650	20,700	2,291	2,100	2,291	2,209	14,700	14,750	1,577	1,473	1,577	1,495	17,700	17,750	1,937	1,773	1,937	1,855	20,700	20,750	2,297	2,106	2,297	2,215	14,750	14,800	1,583	1,478	1,583	1,501	17,750	17,800	1,943	1,778	1,943	1,861	20,750	20,800	2,303	2,112	2,303	2,221	14,800	14,850	1,589	1,483	1,589	1,507	17,800	17,850	1,949	1,783	1,949	1,867	20,800	20,850	2,309	2,118	2,309	2,227	14,850	14,900	1,595	1,488	1,595	1,513	17,850	17,900	1,955	1,788	1,955	1,873	20,850	20,900	2,315	2,124	2,315	2,233	14,900	14,950	1,601	1,493	1,601	1,519	17,900	17,950	1,961	1,793	1,961	1,879	20,900	20,950	2,321	2,130	2,321	2,239	14,950	15,000	1,607	1,498	1,607	1,525	17,950	18,000	1,967	1,798	1,967	1,885	20,950	21,000	2,327	2,136	2,327	2,245																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
13,500	13,550	1,433	1,353	1,433	1,353	16,500	16,550	1,793	1,653	1,793	1,711	19,500	19,550	2,153	1,962	2,153	2,071	13,550	13,600	1,439	1,358	1,439	1,358	16,550	16,600	1,799	1,658	1,799	1,717	19,550	19,600	2,159	1,968	2,159	2,077	13,600	13,650	1,445	1,363	1,445	1,363	16,600	16,650	1,805	1,663	1,805	1,723	19,600	19,650	2,165	1,974	2,165	2,083	13,650	13,700	1,451	1,368	1,451	1,369	16,650	16,700	1,811	1,668	1,811	1,729	19,650	19,700	2,171	1,980	2,171	2,089	13,700	13,750	1,457	1,373	1,457	1,375	16,700	16,750	1,817	1,673	1,817	1,735	19,700	19,750	2,177	1,986	2,177	2,095	13,750	13,800	1,463	1,378	1,463	1,381	16,750	16,800	1,823	1,678	1,823	1,741	19,750	19,800	2,183	1,992	2,183	2,101	13,800	13,850	1,469	1,383	1,469	1,387	16,800	16,850	1,829	1,683	1,829	1,747	19,800	19,850	2,189	1,998	2,189	2,107	13,850	13,900	1,475	1,388	1,475	1,393	16,850	16,900	1,835	1,688	1,835	1,753	19,850	19,900	2,195	2,004	2,195	2,113	13,900	13,950	1,481	1,393	1,481	1,399	16,900	16,950	1,841	1,693	1,841	1,759	19,900	19,950	2,201	2,010	2,201	2,119	13,950	14,000	1,487	1,398	1,487	1,405	16,950	17,000	1,847	1,698	1,847	1,765	19,950	20,000	2,207	2,016	2,207	2,125	14,000						17,000						20,000						14,000	14,050	1,493	1,403	1,493	1,411	17,000	17,050	1,853	1,703	1,853	1,771	20,000	20,050	2,213	2,022	2,213	2,131	14,050	14,100	1,499	1,408	1,499	1,417	17,050	17,100	1,859	1,708	1,859	1,777	20,050	20,100	2,219	2,028	2,219	2,137	14,100	14,150	1,505	1,413	1,505	1,423	17,100	17,150	1,865	1,713	1,865	1,783	20,100	20,150	2,225	2,034	2,225	2,143	14,150	14,200	1,511	1,418	1,511	1,429	17,150	17,200	1,871	1,718	1,871	1,789	20,150	20,200	2,231	2,040	2,231	2,149	14,200	14,250	1,517	1,423	1,517	1,435	17,200	17,250	1,877	1,723	1,877	1,795	20,200	20,250	2,237	2,046	2,237	2,155	14,250	14,300	1,523	1,428	1,523	1,441	17,250	17,300	1,883	1,728	1,883	1,801	20,250	20,300	2,243	2,052	2,243	2,161	14,300	14,350	1,529	1,433	1,529	1,447	17,300	17,350	1,889	1,733	1,889	1,807	20,300	20,350	2,249	2,058	2,249	2,167	14,350	14,400	1,535	1,438	1,535	1,453	17,350	17,400	1,895	1,738	1,895	1,813	20,350	20,400	2,255	2,064	2,255	2,173	14,400	14,450	1,541	1,443	1,541	1,459	17,400	17,450	1,901	1,743	1,901	1,819	20,400	20,450	2,261	2,070	2,261	2,179	14,450	14,500	1,547	1,448	1,547	1,465	17,450	17,500	1,907	1,748	1,907	1,825	20,450	20,500	2,267	2,076	2,267	2,185	14,500	14,550	1,553	1,453	1,553	1,471	17,500	17,550	1,913	1,753	1,913	1,831	20,500	20,550	2,273	2,082	2,273	2,191	14,550	14,600	1,559	1,458	1,559	1,477	17,550	17,600	1,919	1,758	1,919	1,837	20,550	20,600	2,279	2,088	2,279	2,197	14,600	14,650	1,565	1,463	1,565	1,483	17,600	17,650	1,925	1,763	1,925	1,843	20,600	20,650	2,285	2,094	2,285	2,203	14,650	14,700	1,571	1,468	1,571	1,489	17,650	17,700	1,931	1,768	1,931	1,849	20,650	20,700	2,291	2,100	2,291	2,209	14,700	14,750	1,577	1,473	1,577	1,495	17,700	17,750	1,937	1,773	1,937	1,855	20,700	20,750	2,297	2,106	2,297	2,215	14,750	14,800	1,583	1,478	1,583	1,501	17,750	17,800	1,943	1,778	1,943	1,861	20,750	20,800	2,303	2,112	2,303	2,221	14,800	14,850	1,589	1,483	1,589	1,507	17,800	17,850	1,949	1,783	1,949	1,867	20,800	20,850	2,309	2,118	2,309	2,227	14,850	14,900	1,595	1,488	1,595	1,513	17,850	17,900	1,955	1,788	1,955	1,873	20,850	20,900	2,315	2,124	2,315	2,233	14,900	14,950	1,601	1,493	1,601	1,519	17,900	17,950	1,961	1,793	1,961	1,879	20,900	20,950	2,321	2,130	2,321	2,239	14,950	15,000	1,607	1,498	1,607	1,525	17,950	18,000	1,967	1,798	1,967	1,885	20,950	21,000	2,327	2,136	2,327	2,245																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
13,750	13,800	1,463	1,378	1,463	1,381	16,750	16,800	1,823	1,678	1,823	1,741	19,750	19,800	2,183	1,992	2,183	2,101	13,800	13,850	1,469	1,383	1,469	1,387	16,800	16,850	1,829	1,683	1,829	1,747	19,800	19,850	2,189	1,998	2,189	2,107	13,850	13,900	1,475	1,388	1,475	1,393	16,850	16,900	1,835	1,688	1,835	1,753	19,850	19,900	2,195	2,004	2,195	2,113	13,900	13,950	1,481	1,393	1,481	1,399	16,900	16,950	1,841	1,693	1,841	1,759	19,900	19,950	2,201	2,010	2,201	2,119	13,950	14,000	1,487	1,398	1,487	1,405	16,950	17,000	1,847	1,698	1,847	1,765	19,950	20,000	2,207	2,016	2,207	2,125	14,000						17,000						20,000						14,000	14,050	1,493	1,403	1,493	1,411	17,000	17,050	1,853	1,703	1,853	1,771	20,000	20,050	2,213	2,022	2,213	2,131	14,050	14,100	1,499	1,408	1,499	1,417	17,050	17,100	1,859	1,708	1,859	1,777	20,050	20,100	2,219	2,028	2,219	2,137	14,100	14,150	1,505	1,413	1,505	1,423	17,100	17,150	1,865	1,713	1,865	1,783	20,100	20,150	2,225	2,034	2,225	2,143	14,150	14,200	1,511	1,418	1,511	1,429	17,150	17,200	1,871	1,718	1,871	1,789	20,150	20,200	2,231	2,040	2,231	2,149	14,200	14,250	1,517	1,423	1,517	1,435	17,200	17,250	1,877	1,723	1,877	1,795	20,200	20,250	2,237	2,046	2,237	2,155	14,250	14,300	1,523	1,428	1,523	1,441	17,250	17,300	1,883	1,728	1,883	1,801	20,250	20,300	2,243	2,052	2,243	2,161	14,300	14,350	1,529	1,433	1,529	1,447	17,300	17,350	1,889	1,733	1,889	1,807	20,300	20,350	2,249	2,058	2,249	2,167	14,350	14,400	1,535	1,438	1,535	1,453	17,350	17,400	1,895	1,738	1,895	1,813	20,350	20,400	2,255	2,064	2,255	2,173	14,400	14,450	1,541	1,443	1,541	1,459	17,400	17,450	1,901	1,743	1,901	1,819	20,400	20,450	2,261	2,070	2,261	2,179	14,450	14,500	1,547	1,448	1,547	1,465	17,450	17,500	1,907	1,748	1,907	1,825	20,450	20,500	2,267	2,076	2,267	2,185	14,500	14,550	1,553	1,453	1,553	1,471	17,500	17,550	1,913	1,753	1,913	1,831	20,500	20,550	2,273	2,082	2,273	2,191	14,550	14,600	1,559	1,458	1,559	1,477	17,550	17,600	1,919	1,758	1,919	1,837	20,550	20,600	2,279	2,088	2,279	2,197	14,600	14,650	1,565	1,463	1,565	1,483	17,600	17,650	1,925	1,763	1,925	1,843	20,600	20,650	2,285	2,094	2,285	2,203	14,650	14,700	1,571	1,468	1,571	1,489	17,650	17,700	1,931	1,768	1,931	1,849	20,650	20,700	2,291	2,100	2,291	2,209	14,700	14,750	1,577	1,473	1,577	1,495	17,700	17,750	1,937	1,773	1,937	1,855	20,700	20,750	2,297	2,106	2,297	2,215	14,750	14,800	1,583	1,478	1,583	1,501	17,750	17,800	1,943	1,778	1,943	1,861	20,750	20,800	2,303	2,112	2,303	2,221	14,800	14,850	1,589	1,483	1,589	1,507	17,800	17,850	1,949	1,783	1,949	1,867	20,800	20,850	2,309	2,118	2,309	2,227	14,850	14,900	1,595	1,488	1,595	1,513	17,850	17,900	1,955	1,788	1,955	1,873	20,850	20,900	2,315	2,124	2,315	2,233	14,900	14,950	1,601	1,493	1,601	1,519	17,900	17,950	1,961	1,793	1,961	1,879	20,900	20,950	2,321	2,130	2,321	2,239	14,950	15,000	1,607	1,498	1,607	1,525	17,950	18,000	1,967	1,798	1,967	1,885	20,950	21,000	2,327	2,136	2,327	2,245																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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14,000	14,050	1,493	1,403	1,493	1,411	17,000	17,050	1,853	1,703	1,853	1,771	20,000	20,050	2,213	2,022	2,213	2,131	14,050	14,100	1,499	1,408	1,499	1,417	17,050	17,100	1,859	1,708	1,859	1,777	20,050	20,100	2,219	2,028	2,219	2,137	14,100	14,150	1,505	1,413	1,505	1,423	17,100	17,150	1,865	1,713	1,865	1,783	20,100	20,150	2,225	2,034	2,225	2,143	14,150	14,200	1,511	1,418	1,511	1,429	17,150	17,200	1,871	1,718	1,871	1,789	20,150	20,200	2,231	2,040	2,231	2,149	14,200	14,250	1,517	1,423	1,517	1,435	17,200	17,250	1,877	1,723	1,877	1,795	20,200	20,250	2,237	2,046	2,237	2,155	14,250	14,300	1,523	1,428	1,523	1,441	17,250	17,300	1,883	1,728	1,883	1,801	20,250	20,300	2,243	2,052	2,243	2,161	14,300	14,350	1,529	1,433	1,529	1,447	17,300	17,350	1,889	1,733	1,889	1,807	20,300	20,350	2,249	2,058	2,249	2,167	14,350	14,400	1,535	1,438	1,535	1,453	17,350	17,400	1,895	1,738	1,895	1,813	20,350	20,400	2,255	2,064	2,255	2,173	14,400	14,450	1,541	1,443	1,541	1,459	17,400	17,450	1,901	1,743	1,901	1,819	20,400	20,450	2,261	2,070	2,261	2,179	14,450	14,500	1,547	1,448	1,547	1,465	17,450	17,500	1,907	1,748	1,907	1,825	20,450	20,500	2,267	2,076	2,267	2,185	14,500	14,550	1,553	1,453	1,553	1,471	17,500	17,550	1,913	1,753	1,913	1,831	20,500	20,550	2,273	2,082	2,273	2,191	14,550	14,600	1,559	1,458	1,559	1,477	17,550	17,600	1,919	1,758	1,919	1,837	20,550	20,600	2,279	2,088	2,279	2,197	14,600	14,650	1,565	1,463	1,565	1,483	17,600	17,650	1,925	1,763	1,925	1,843	20,600	20,650	2,285	2,094	2,285	2,203	14,650	14,700	1,571	1,468	1,571	1,489	17,650	17,700	1,931	1,768	1,931	1,849	20,650	20,700	2,291	2,100	2,291	2,209	14,700	14,750	1,577	1,473	1,577	1,495	17,700	17,750	1,937	1,773	1,937	1,855	20,700	20,750	2,297	2,106	2,297	2,215	14,750	14,800	1,583	1,478	1,583	1,501	17,750	17,800	1,943	1,778	1,943	1,861	20,750	20,800	2,303	2,112	2,303	2,221	14,800	14,850	1,589	1,483	1,589	1,507	17,800	17,850	1,949	1,783	1,949	1,867	20,800	20,850	2,309	2,118	2,309	2,227	14,850	14,900	1,595	1,488	1,595	1,513	17,850	17,900	1,955	1,788	1,955	1,873	20,850	20,900	2,315	2,124	2,315	2,233	14,900	14,950	1,601	1,493	1,601	1,519	17,900	17,950	1,961	1,793	1,961	1,879	20,900	20,950	2,321	2,130	2,321	2,239	14,950	15,000	1,607	1,498	1,607	1,525	17,950	18,000	1,967	1,798	1,967	1,885	20,950	21,000	2,327	2,136	2,327	2,245																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
14,250	14,300	1,523	1,428	1,523	1,441	17,250	17,300	1,883	1,728	1,883	1,801	20,250	20,300	2,243	2,052	2,243	2,161	14,300	14,350	1,529	1,433	1,529	1,447	17,300	17,350	1,889	1,733	1,889	1,807	20,300	20,350	2,249	2,058	2,249	2,167	14,350	14,400	1,535	1,438	1,535	1,453	17,350	17,400	1,895	1,738	1,895	1,813	20,350	20,400	2,255	2,064	2,255	2,173	14,400	14,450	1,541	1,443	1,541	1,459	17,400	17,450	1,901	1,743	1,901	1,819	20,400	20,450	2,261	2,070	2,261	2,179	14,450	14,500	1,547	1,448	1,547	1,465	17,450	17,500	1,907	1,748	1,907	1,825	20,450	20,500	2,267	2,076	2,267	2,185	14,500	14,550	1,553	1,453	1,553	1,471	17,500	17,550	1,913	1,753	1,913	1,831	20,500	20,550	2,273	2,082	2,273	2,191	14,550	14,600	1,559	1,458	1,559	1,477	17,550	17,600	1,919	1,758	1,919	1,837	20,550	20,600	2,279	2,088	2,279	2,197	14,600	14,650	1,565	1,463	1,565	1,483	17,600	17,650	1,925	1,763	1,925	1,843	20,600	20,650	2,285	2,094	2,285	2,203	14,650	14,700	1,571	1,468	1,571	1,489	17,650	17,700	1,931	1,768	1,931	1,849	20,650	20,700	2,291	2,100	2,291	2,209	14,700	14,750	1,577	1,473	1,577	1,495	17,700	17,750	1,937	1,773	1,937	1,855	20,700	20,750	2,297	2,106	2,297	2,215	14,750	14,800	1,583	1,478	1,583	1,501	17,750	17,800	1,943	1,778	1,943	1,861	20,750	20,800	2,303	2,112	2,303	2,221	14,800	14,850	1,589	1,483	1,589	1,507	17,800	17,850	1,949	1,783	1,949	1,867	20,800	20,850	2,309	2,118	2,309	2,227	14,850	14,900	1,595	1,488	1,595	1,513	17,850	17,900	1,955	1,788	1,955	1,873	20,850	20,900	2,315	2,124	2,315	2,233	14,900	14,950	1,601	1,493	1,601	1,519	17,900	17,950	1,961	1,793	1,961	1,879	20,900	20,950	2,321	2,130	2,321	2,239	14,950	15,000	1,607	1,498	1,607	1,525	17,950	18,000	1,967	1,798	1,967	1,885	20,950	21,000	2,327	2,136	2,327	2,245																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
14,500	14,550	1,553	1,453	1,553	1,471	17,500	17,550	1,913	1,753	1,913	1,831	20,500	20,550	2,273	2,082	2,273	2,191	14,550	14,600	1,559	1,458	1,559	1,477	17,550	17,600	1,919	1,758	1,919	1,837	20,550	20,600	2,279	2,088	2,279	2,197	14,600	14,650	1,565	1,463	1,565	1,483	17,600	17,650	1,925	1,763	1,925	1,843	20,600	20,650	2,285	2,094	2,285	2,203	14,650	14,700	1,571	1,468	1,571	1,489	17,650	17,700	1,931	1,768	1,931	1,849	20,650	20,700	2,291	2,100	2,291	2,209	14,700	14,750	1,577	1,473	1,577	1,495	17,700	17,750	1,937	1,773	1,937	1,855	20,700	20,750	2,297	2,106	2,297	2,215	14,750	14,800	1,583	1,478	1,583	1,501	17,750	17,800	1,943	1,778	1,943	1,861	20,750	20,800	2,303	2,112	2,303	2,221	14,800	14,850	1,589	1,483	1,589	1,507	17,800	17,850	1,949	1,783	1,949	1,867	20,800	20,850	2,309	2,118	2,309	2,227	14,850	14,900	1,595	1,488	1,595	1,513	17,850	17,900	1,955	1,788	1,955	1,873	20,850	20,900	2,315	2,124	2,315	2,233	14,900	14,950	1,601	1,493	1,601	1,519	17,900	17,950	1,961	1,793	1,961	1,879	20,900	20,950	2,321	2,130	2,321	2,239	14,950	15,000	1,607	1,498	1,607	1,525	17,950	18,000	1,967	1,798	1,967	1,885	20,950	21,000	2,327	2,136	2,327	2,245																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
14,750	14,800	1,583	1,478	1,583	1,501	17,750	17,800	1,943	1,778	1,943	1,861	20,750	20,800	2,303	2,112	2,303	2,221	14,800	14,850	1,589	1,483	1,589	1,507	17,800	17,850	1,949	1,783	1,949	1,867	20,800	20,850	2,309	2,118	2,309	2,227	14,850	14,900	1,595	1,488	1,595	1,513	17,850	17,900	1,955	1,788	1,955	1,873	20,850	20,900	2,315	2,124	2,315	2,233	14,900	14,950	1,601	1,493	1,601	1,519	17,900	17,950	1,961	1,793	1,961	1,879	20,900	20,950	2,321	2,130	2,321	2,239	14,950	15,000	1,607	1,498	1,607	1,525	17,950	18,000	1,967	1,798	1,967	1,885	20,950	21,000	2,327	2,136	2,327	2,245																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		

(Continued)

* This column must also be used by a qualifying widow(er).

If line 10 (taxable income) is—		And you are—				Your tax is—	If line 10 (taxable income) is—		And you are—				Your tax is—	If line 10 (taxable income) is—		And you are—				Your tax is—
		Single	Married filing jointly *	Married filing separately	Head of a household				Single	Married filing jointly *	Married filing separately	Head of a household				Single	Married filing jointly *	Married filing separately	Head of a household	
At least	But less than																			
21,000						24,000						27,000								
21,000	21,050	2,333	2,142	2,333	2,251	24,000	24,050	2,693	2,502	2,693	2,611	27,000	27,050	3,053	2,862	3,053	2,971			
21,050	21,100	2,339	2,148	2,339	2,257	24,050	24,100	2,699	2,508	2,699	2,617	27,050	27,100	3,059	2,868	3,059	2,977			
21,100	21,150	2,345	2,154	2,345	2,263	24,100	24,150	2,705	2,514	2,705	2,623	27,100	27,150	3,065	2,874	3,065	2,983			
21,150	21,200	2,351	2,160	2,351	2,269	24,150	24,200	2,711	2,520	2,711	2,629	27,150	27,200	3,071	2,880	3,071	2,989			
21,200	21,250	2,357	2,166	2,357	2,275	24,200	24,250	2,717	2,526	2,717	2,635	27,200	27,250	3,077	2,886	3,077	2,995			
21,250	21,300	2,363	2,172	2,363	2,281	24,250	24,300	2,723	2,532	2,723	2,641	27,250	27,300	3,083	2,892	3,083	3,001			
21,300	21,350	2,369	2,178	2,369	2,287	24,300	24,350	2,729	2,538	2,729	2,647	27,300	27,350	3,089	2,898	3,089	3,007			
21,350	21,400	2,375	2,184	2,375	2,293	24,350	24,400	2,735	2,544	2,735	2,653	27,350	27,400	3,095	2,904	3,095	3,013			
21,400	21,450	2,381	2,190	2,381	2,299	24,400	24,450	2,741	2,550	2,741	2,659	27,400	27,450	3,101	2,910	3,101	3,019			
21,450	21,500	2,387	2,196	2,387	2,305	24,450	24,500	2,747	2,556	2,747	2,665	27,450	27,500	3,107	2,916	3,107	3,025			
21,500	21,550	2,393	2,202	2,393	2,311	24,500	24,550	2,753	2,562	2,753	2,671	27,500	27,550	3,113	2,922	3,113	3,031			
21,550	21,600	2,399	2,208	2,399	2,317	24,550	24,600	2,759	2,568	2,759	2,677	27,550	27,600	3,119	2,928	3,119	3,037			
21,600	21,650	2,405	2,214	2,405	2,323	24,600	24,650	2,765	2,574	2,765	2,683	27,600	27,650	3,125	2,934	3,125	3,043			
21,650	21,700	2,411	2,220	2,411	2,329	24,650	24,700	2,771	2,580	2,771	2,689	27,650	27,700	3,131	2,940	3,131	3,049			
21,700	21,750	2,417	2,226	2,417	2,335	24,700	24,750	2,777	2,586	2,777	2,695	27,700	27,750	3,137	2,946	3,137	3,055			
21,750	21,800	2,423	2,232	2,423	2,341	24,750	24,800	2,783	2,592	2,783	2,701	27,750	27,800	3,143	2,952	3,143	3,061			
21,800	21,850	2,429	2,238	2,429	2,347	24,800	24,850	2,789	2,598	2,789	2,707	27,800	27,850	3,149	2,958	3,149	3,067			
21,850	21,900	2,435	2,244	2,435	2,353	24,850	24,900	2,795	2,604	2,795	2,713	27,850	27,900	3,155	2,964	3,155	3,073			
21,900	21,950	2,441	2,250	2,441	2,359	24,900	24,950	2,801	2,610	2,801	2,719	27,900	27,950	3,161	2,970	3,161	3,079			
21,950	22,000	2,447	2,256	2,447	2,365	24,950	25,000	2,807	2,616	2,807	2,725	27,950	28,000	3,167	2,976	3,167	3,085			
22,000						25,000						28,000								
22,000	22,050	2,453	2,262	2,453	2,371	25,000	25,050	2,813	2,622	2,813	2,731	28,000	28,050	3,173	2,982	3,173	3,091			
22,050	22,100	2,459	2,268	2,459	2,377	25,050	25,100	2,819	2,628	2,819	2,737	28,050	28,100	3,179	2,988	3,179	3,097			
22,100	22,150	2,465	2,274	2,465	2,383	25,100	25,150	2,825	2,634	2,825	2,743	28,100	28,150	3,185	2,994	3,185	3,103			
22,150	22,200	2,471	2,280	2,471	2,389	25,150	25,200	2,831	2,640	2,831	2,749	28,150	28,200	3,191	3,000	3,191	3,109			
22,200	22,250	2,477	2,286	2,477	2,395	25,200	25,250	2,837	2,646	2,837	2,755	28,200	28,250	3,197	3,006	3,197	3,115			
22,250	22,300	2,483	2,292	2,483	2,401	25,250	25,300	2,843	2,652	2,843	2,761	28,250	28,300	3,203	3,012	3,203	3,121			
22,300	22,350	2,489	2,298	2,489	2,407	25,300	25,350	2,849	2,658	2,849	2,767	28,300	28,350	3,209	3,018	3,209	3,127			
22,350	22,400	2,495	2,304	2,495	2,413	25,350	25,400	2,855	2,664	2,855	2,773	28,350	28,400	3,215	3,024	3,215	3,133			
22,400	22,450	2,501	2,310	2,501	2,419	25,400	25,450	2,861	2,670	2,861	2,779	28,400	28,450	3,221	3,030	3,221	3,139			
22,450	22,500	2,507	2,316	2,507	2,425	25,450	25,500	2,867	2,676	2,867	2,785	28,450	28,500	3,227	3,036	3,227	3,145			
22,500	22,550	2,513	2,322	2,513	2,431	25,500	25,550	2,873	2,682	2,873	2,791	28,500	28,550	3,233	3,042	3,233	3,151			
22,550	22,600	2,519	2,328	2,519	2,437	25,550	25,600	2,879	2,688	2,879	2,797	28,550	28,600	3,239	3,048	3,239	3,157			
22,600	22,650	2,525	2,334	2,525	2,443	25,600	25,650	2,885	2,694	2,885	2,803	28,600	28,650	3,245	3,054	3,245	3,163			
22,650	22,700	2,531	2,340	2,531	2,449	25,650	25,700	2,891	2,700	2,891	2,809	28,650	28,700	3,251	3,060	3,251	3,169			
22,700	22,750	2,537	2,346	2,537	2,455	25,700	25,750	2,897	2,706	2,897	2,815	28,700	28,750	3,257	3,066	3,257	3,175			
22,750	22,800	2,543	2,352	2,543	2,461	25,750	25,800	2,903	2,712	2,903	2,821	28,750	28,800	3,263	3,072	3,263	3,181			
22,800	22,850	2,549	2,358	2,549	2,467	25,800	25,850	2,909	2,718	2,909	2,827	28,800	28,850	3,269	3,078	3,269	3,187			
22,850	22,900	2,555	2,364	2,555	2,473	25,850	25,900	2,915	2,724	2,915	2,833	28,850	28,900	3,275	3,084	3,275	3,193			
22,900	22,950	2,561	2,370	2,561	2,479	25,900	25,950	2,921	2,730	2,921	2,839	28,900	28,950	3,281	3,090	3,281	3,199			
22,950	23,000	2,567	2,376	2,567	2,485	25,950	26,000	2,927	2,736	2,927	2,845	28,950	29,000	3,287	3,096	3,287	3,205			
23,000						26,000						29,000								
23,000	23,050	2,573	2,382	2,573	2,491	26,000	26,050	2,933	2,742	2,933	2,851	29,000	29,050	3,293	3,102	3,293	3,211			
23,050	23,100	2,579	2,388	2,579	2,497	26,050	26,100	2,939	2,748	2,939	2,857	29,050	29,100	3,299	3,108	3,299	3,217			
23,100	23,150	2,585	2,394	2,585	2,503	26,100	26,150	2,945	2,754	2,945	2,863	29,100	29,150	3,305	3,114	3,305	3,223			
23,150	23,200	2,591	2,400	2,591	2,509	26,150	26,200	2,951	2,760	2,951	2,869	29,150	29,200	3,311	3,120	3,311	3,229			
23,200	23,250	2,597	2,406	2,597	2,515	26,200	26,250	2,957	2,766	2,957	2,875	29,200	29,250	3,317	3,126	3,317	3,235			
23,250	23,300	2,603	2,412	2,603	2,521	26,250	26,300	2,963	2,772	2,963	2,881	29,250	29,300	3,323	3,132	3,323	3,241			
23,300	23,350	2,609	2,418	2,609	2,527	26,300	26,350	2,969	2,778	2,969	2,887	29,300	29,350	3,329	3,138	3,329	3,247			
23,350	23,400	2,615	2,424	2,615	2,533	26,350	26,400	2,975	2,784	2,975	2,893	29,350	29,400	3,335	3,144	3,335	3,253			
23,400	23,450	2,621	2,430	2,621	2,539	26,400	26,450	2,981	2,790	2,981	2,899	29,400	29,450	3,341	3,150	3,341	3,259			
23,450	23,500	2,627	2,436	2,627	2,545	26,450	26,500	2,987	2,796	2,987	2,905	29,450	29,500	3,347	3,156	3,347	3,265			
23,500	23,550	2,633	2,442	2,633	2,551	26,500	26,550	2,993	2,802	2,993	2,911	29,500	29,550	3,353	3,162	3,353	3,271			
23,550	23,600	2,639	2,448	2,639	2,557	26,550	26,600	2,999	2,808	2,999	2,917	29,550	29,600	3,359	3,168	3,359	3,277			
23,600	23,650	2,645	2,454	2,645	2,563	26,600	26,650	3,005	2,814	3,005	2,923	29,600	29,650	3,365	3,174	3,365	3,283			
23,650	23,700	2,651	2,460	2,651	2,569	26,650	26,700	3,011	2,820	3,011	2,929	29,650	29,700	3,371	3,180	3,371	3,289			
23,700	23,750	2,657	2,466	2,657	2,575	26,700	26,750	3,017	2,826	3,017	2,935	29,700	29,750	3,377	3,186	3,377	3,295			
23,750	23,800	2,663	2,472	2,663	2,581	26,750	26,800	3,023	2,832	3,023	2,941	29,750	29,800	3,383	3,192	3,383	3,301			
23,800	23,850	2,669	2,478	2,669	2,587	26,800	26,850	3,029	2,838	3,029	2,947	29,800	29,850	3,389	3,198	3,389	3,307			
23,850	23,900	2,675	2,484	2,675	2,593	26,850	26,900	3,035	2,844	3,035	2,953	29,850	29,900	3,395	3,204	3,395	3,313			
23,900	23,950	2,681	2,490	2,681	2,599	26,900	26,950	3,041	2,850	3,041	2,959	29,900	29,950	3,401	3,210	3,401	3,319			
23,950	24,000	2,687	2,496	2,687	2,605	26,950	27,000	3,047	2,856	3,047	2,965	29,								

If line 10 (taxable income) is—		And you are—				If line 10 (taxable income) is—		And you are—				If line 10 (taxable income) is—		And you are—																					
At least	But less than	Single	Married filing jointly *	Married filing separately	Head of a household	At least	But less than	Single	Married filing jointly *	Married filing separately	Head of a household	At least	But less than	Single	Married filing jointly *	Married filing separately	Head of a household	At least	But less than	Single	Married filing jointly *	Married filing separately	Head of a household												
Your tax is—						Your tax is—						Your tax is—																							
30,000						33,000						36,000																							
30,000	30,050	3,413	3,222	3,413	3,331	33,000	33,050	3,773	3,582	3,773	3,691	36,000	36,050	4,133	3,942	4,133	4,051	30,000	30,050	3,413	3,222	3,413	3,331	33,000	33,050	3,773	3,582	3,773	3,691	36,000	36,050	4,133	3,942	4,133	4,051
30,050	30,100	3,419	3,228	3,419	3,337	33,050	33,100	3,779	3,588	3,779	3,697	36,050	36,100	4,139	3,948	4,139	4,057	30,050	30,100	3,419	3,228	3,419	3,337	33,050	33,100	3,779	3,588	3,779	3,697	36,050	36,100	4,139	3,948	4,139	4,057
30,100	30,150	3,425	3,234	3,425	3,343	33,100	33,150	3,785	3,594	3,785	3,703	36,100	36,150	4,145	3,954	4,145	4,063	30,100	30,150	3,425	3,234	3,425	3,343	33,100	33,150	3,785	3,594	3,785	3,703	36,100	36,150	4,145	3,954	4,145	4,063
30,150	30,200	3,431	3,240	3,431	3,349	33,150	33,200	3,791	3,600	3,791	3,709	36,150	36,200	4,151	3,960	4,151	4,069	30,150	30,200	3,431	3,240	3,431	3,349	33,150	33,200	3,791	3,600	3,791	3,709	36,150	36,200	4,151	3,960	4,151	4,069
30,200	30,250	3,437	3,246	3,437	3,355	33,200	33,250	3,797	3,606	3,797	3,715	36,200	36,250	4,157	3,966	4,157	4,075	30,200	30,250	3,437	3,246	3,437	3,355	33,200	33,250	3,797	3,606	3,797	3,715	36,200	36,250	4,157	3,966	4,157	4,075
30,250	30,300	3,443	3,252	3,443	3,361	33,250	33,300	3,803	3,612	3,803	3,721	36,250	36,300	4,163	3,972	4,163	4,081	30,250	30,300	3,443	3,252	3,443	3,361	33,250	33,300	3,803	3,612	3,803	3,721	36,250	36,300	4,163	3,972	4,163	4,081
30,300	30,350	3,449	3,258	3,449	3,367	33,300	33,350	3,809	3,618	3,809	3,727	36,300	36,350	4,169	3,978	4,169	4,087	30,300	30,350	3,449	3,258	3,449	3,367	33,300	33,350	3,809	3,618	3,809	3,727	36,300	36,350	4,169	3,978	4,169	4,087
30,350	30,400	3,455	3,264	3,455	3,373	33,350	33,400	3,815	3,624	3,815	3,733	36,350	36,400	4,175	3,984	4,175	4,093	30,350	30,400	3,455	3,264	3,455	3,373	33,350	33,400	3,815	3,624	3,815	3,733	36,350	36,400	4,175	3,984	4,175	4,093
30,400	30,450	3,461	3,270	3,461	3,379	33,400	33,450	3,821	3,630	3,821	3,739	36,400	36,450	4,181	3,990	4,181	4,099	30,400	30,450	3,461	3,270	3,461	3,379	33,400	33,450	3,821	3,630	3,821	3,739	36,400	36,450	4,181	3,990	4,181	4,099
30,450	30,500	3,467	3,276	3,467	3,385	33,450	33,500	3,827	3,636	3,827	3,745	36,450	36,500	4,187	3,996	4,187	4,105	30,450	30,500	3,467	3,276	3,467	3,385	33,450	33,500	3,827	3,636	3,827	3,745	36,450	36,500	4,187	3,996	4,187	4,105
30,500	30,550	3,473	3,282	3,473	3,391	33,500	33,550	3,833	3,642	3,833	3,751	36,500	36,550	4,193	4,002	4,193	4,111	30,500	30,550	3,473	3,282	3,473	3,391	33,500	33,550	3,833	3,642	3,833	3,751	36,500	36,550	4,193	4,002	4,193	4,111
30,550	30,600	3,479	3,288	3,479	3,397	33,550	33,600	3,839	3,648	3,839	3,757	36,550	36,600	4,199	4,008	4,199	4,117	30,550	30,600	3,479	3,288	3,479	3,397	33,550	33,600	3,839	3,648	3,839	3,757	36,550	36,600	4,199	4,008	4,199	4,117
30,600	30,650	3,485	3,294	3,485	3,403	33,600	33,650	3,845	3,654	3,845	3,763	36,600	36,650	4,205	4,014	4,205	4,123	30,600	30,650	3,485	3,294	3,485	3,403	33,600	33,650	3,845	3,654	3,845	3,763	36,600	36,650	4,205	4,014	4,205	4,123
30,650	30,700	3,491	3,300	3,491	3,409	33,650	33,700	3,851	3,660	3,851	3,769	36,650	36,700	4,211	4,020	4,211	4,129	30,650	30,700	3,491	3,300	3,491	3,409	33,650	33,700	3,851	3,660	3,851	3,769	36,650	36,700	4,211	4,020	4,211	4,129
30,700	30,750	3,497	3,306	3,497	3,415	33,700	33,750	3,857	3,666	3,857	3,775	36,700	36,750	4,217	4,026	4,217	4,135	30,700	30,750	3,497	3,306	3,497	3,415	33,700	33,750	3,857	3,666	3,857	3,775	36,700	36,750	4,217	4,026	4,217	4,135
30,750	30,800	3,503	3,312	3,503	3,421	33,750	33,800	3,863	3,672	3,863	3,781	36,750	36,800	4,223	4,032	4,223	4,141	30,750	30,800	3,503	3,312	3,503	3,421	33,750	33,800	3,863	3,672	3,863	3,781	36,750	36,800	4,223	4,032	4,223	4,141
30,800	30,850	3,509	3,318	3,509	3,427	33,800	33,850	3,869	3,678	3,869	3,787	36,800	36,850	4,229	4,038	4,229	4,147	30,800	30,850	3,509	3,318	3,509	3,427	33,800	33,850	3,869	3,678	3,869	3,787	36,800	36,850	4,229	4,038	4,229	4,147
30,850	30,900	3,515	3,324	3,515	3,433	33,850	33,900	3,875	3,684	3,875	3,793	36,850	36,900	4,235	4,044	4,235	4,153	30,850	30,900	3,515	3,324	3,515	3,433	33,850	33,900	3,875	3,684	3,875	3,793	36,850	36,900	4,235	4,044	4,235	4,153
30,900	30,950	3,521	3,330	3,521	3,439	33,900	33,950	3,881	3,690	3,881	3,799	36,900	36,950	4,241	4,050	4,241	4,159	30,900	30,950	3,521	3,330	3,521	3,439	33,900	33,950	3,881	3,690	3,881	3,799	36,900	36,950	4,241	4,050	4,241	4,159
30,950	31,000	3,527	3,336	3,527	3,445	33,950	34,000	3,887	3,696	3,887	3,805	36,950	37,000	4,247	4,056	4,247	4,165	30,950	31,000	3,527	3,336	3,527	3,445	33,950	34,000	3,887	3,696	3,887	3,805	36,950	37,000	4,247	4,056	4,247	4,165
31,000						34,000						37,000																							
31,000	31,050	3,533	3,342	3,533	3,451	34,000	34,050	3,893	3,702	3,893	3,811	37,000	37,050	4,253	4,062	4,253	4,171	31,000	31,050	3,533	3,342	3,533	3,451	34,000	34,050	3,893	3,702	3,893	3,811	37,000	37,050	4,253	4,062	4,253	4,171
31,050	31,100	3,539	3,348	3,539	3,457	34,050	34,100	3,899	3,708	3,899	3,817	37,050	37,100	4,259	4,068	4,259	4,177	31,050	31,100	3,539	3,348	3,539	3,457	34,050	34,100	3,899	3,708	3,899	3,817	37,050	37,100	4,259	4,068	4,259	4,177
31,100	31,150	3,545	3,354	3,545	3,463	34,100	34,150	3,905	3,714	3,905	3,823	37,100	37,150	4,265	4,074	4,265	4,183	31,100	31,150	3,545	3,354	3,545	3,463	34,100	34,150	3,905	3,714	3,905	3,823	37,100	37,150	4,265	4,074	4,265	4,183
31,150	31,200	3,551	3,360	3,551	3,469	34,150	34,200	3,911	3,720	3,911	3,829	37,150	37,200	4,271	4,080	4,271	4,189	31,150	31,200	3,551	3,360	3,551	3,469	34,150	34,200	3,911	3,720	3,911	3,829	37,150	37,200	4,271	4,080	4,271	4,189
31,200	31,250	3,557	3,366	3,557	3,475	34,200	34,250	3,917	3,726	3,917	3,835	37,200	37,250	4,277	4,086	4,277	4,195	31,200	31,250	3,557	3,366	3,557	3,475	34,200	34,250	3,917	3,726	3,917	3,835	37,200	37,250	4,277	4,086	4,277	4,195
31,250	31,300	3,563	3,372	3,563	3,481	34,250	34,300	3,923	3,732	3,923	3,841	37,250	37,300	4,283	4,092	4,283	4,201	31,250	31,300	3,563	3,372	3,563	3,481	34,250	34,300	3,923	3,732	3,923	3,841	37,250	37,300	4,283	4,092	4,283	4,201
31,300	31,350	3,569	3,378	3,569	3,487	34,300	34,350	3,929	3,738	3,929	3,847	37,300	37,350	4,289	4,098	4,289	4,207	31,300	31,350	3,569	3,378	3,569	3,487	34,300	34,350	3,929	3,738	3,929	3,847	37,300	37,350	4,289	4,098	4,289	4,207
31,350	31,400	3,575	3,384	3,575	3,493	34,350	34,400	3,935	3,744	3,935	3,853	37,350	37,400	4,295	4,104	4,295	4,213	31,350	31,400	3,575	3,384	3,575	3,493	34,350	34,400	3,935	3,744	3,935	3,853	37,350	37,400	4,295	4,104	4,295	4,213
31,400	31,450	3,581	3,390	3,581	3,499	34,400	34,450	3,941	3,750	3,941	3,859	37,400	37,450	4,301	4,110	4,301	4,219	31,400	31,450	3,581	3,390	3,581	3,499	34,400	34,450	3,941	3,750	3,941	3,859	37,400	37,450	4,301	4,110	4,301	4,219
31,450	31,500	3,587	3,396	3,587	3,505	34,450	34,500	3,947	3,756	3,947	3,865	37,450	37,500	4,307	4,116	4,307	4,225	31,450	31,500	3,587	3,396	3,587	3,505	34,450	34,500	3,947	3,756	3,947	3,865	37,450	37,500	4,307	4,116	4,307	4,225
31,500	31,550	3,593	3,402	3,593	3,511	34,500	34,550	3,953	3,762	3,953	3,871	37,500	37,550	4,313	4,122	4,313	4,231	31,500	31,550	3,593	3,402	3,													

If line 10 (taxable income) is—		And you are—				If line 10 (taxable income) is—		And you are—				If line 10 (taxable income) is—		And you are—									
At least	But less than	Single	Married filing jointly *	Married filing separately	Head of a household	At least	But less than	Single	Married filing jointly *	Married filing separately	Head of a household	At least	But less than	Single	Married filing jointly *	Married filing separately	Head of a household	At least	But less than	Single	Married filing jointly *	Married filing separately	Head of a household
		Your tax is—						Your tax is—						Your tax is—									
39,000																							
39,000	39,050	4,525	4,302	4,525	4,411	39,000	39,050	5,185	4,662	5,185	4,771	45,000	45,050	5,845	5,022	5,845	5,131	45,000	45,050	5,845	5,022	5,845	5,131
39,050	39,100	4,536	4,308	4,536	4,417	42,000	42,050	5,196	4,668	5,196	4,777	45,050	45,100	5,856	5,028	5,856	5,137	45,050	45,100	5,856	5,028	5,856	5,137
39,100	39,150	4,547	4,314	4,547	4,423	42,100	42,150	5,207	4,674	5,207	4,783	45,100	45,150	5,867	5,034	5,867	5,143	45,100	45,150	5,867	5,034	5,867	5,143
39,150	39,200	4,558	4,320	4,558	4,429	42,150	42,200	5,218	4,680	5,218	4,789	45,150	45,200	5,878	5,040	5,878	5,149	45,150	45,200	5,878	5,040	5,878	5,149
39,200	39,250	4,569	4,326	4,569	4,435	42,200	42,250	5,229	4,686	5,229	4,795	45,200	45,250	5,889	5,046	5,889	5,155	45,200	45,250	5,889	5,046	5,889	5,155
39,250	39,300	4,580	4,332	4,580	4,441	42,250	42,300	5,240	4,692	5,240	4,801	45,250	45,300	5,900	5,052	5,900	5,161	45,250	45,300	5,900	5,052	5,900	5,161
39,300	39,350	4,591	4,338	4,591	4,447	42,300	42,350	5,251	4,698	5,251	4,807	45,300	45,350	5,911	5,058	5,911	5,167	45,300	45,350	5,911	5,058	5,911	5,167
39,350	39,400	4,602	4,344	4,602	4,453	42,350	42,400	5,262	4,704	5,262	4,813	45,350	45,400	5,922	5,064	5,922	5,173	45,350	45,400	5,922	5,064	5,922	5,173
39,400	39,450	4,613	4,350	4,613	4,459	42,400	42,450	5,273	4,710	5,273	4,819	45,400	45,450	5,933	5,070	5,933	5,179	45,400	45,450	5,933	5,070	5,933	5,179
39,450	39,500	4,624	4,356	4,624	4,465	42,450	42,500	5,284	4,716	5,284	4,825	45,450	45,500	5,944	5,076	5,944	5,185	45,450	45,500	5,944	5,076	5,944	5,185
39,500	39,550	4,635	4,362	4,635	4,471	42,500	42,550	5,295	4,722	5,295	4,831	45,500	45,550	5,955	5,082	5,955	5,191	45,500	45,550	5,955	5,082	5,955	5,191
39,550	39,600	4,646	4,368	4,646	4,477	42,550	42,600	5,306	4,728	5,306	4,837	45,550	45,600	5,966	5,088	5,966	5,197	45,550	45,600	5,966	5,088	5,966	5,197
39,600	39,650	4,657	4,374	4,657	4,483	42,600	42,650	5,317	4,734	5,317	4,843	45,600	45,650	5,977	5,094	5,977	5,203	45,600	45,650	5,977	5,094	5,977	5,203
39,650	39,700	4,668	4,380	4,668	4,489	42,650	42,700	5,328	4,740	5,328	4,849	45,650	45,700	5,988	5,100	5,988	5,209	45,650	45,700	5,988	5,100	5,988	5,209
39,700	39,750	4,679	4,386	4,679	4,495	42,700	42,750	5,339	4,746	5,339	4,855	45,700	45,750	5,999	5,106	5,999	5,215	45,700	45,750	5,999	5,106	5,999	5,215
39,750	39,800	4,690	4,392	4,690	4,501	42,750	42,800	5,350	4,752	5,350	4,861	45,750	45,800	6,010	5,112	6,010	5,221	45,750	45,800	6,010	5,112	6,010	5,221
39,800	39,850	4,701	4,398	4,701	4,507	42,800	42,850	5,361	4,758	5,361	4,867	45,800	45,850	6,021	5,118	6,021	5,227	45,800	45,850	6,021	5,118	6,021	5,227
39,850	39,900	4,712	4,404	4,712	4,513	42,850	42,900	5,372	4,764	5,372	4,873	45,850	45,900	6,032	5,124	6,032	5,233	45,850	45,900	6,032	5,124	6,032	5,233
39,900	39,950	4,723	4,410	4,723	4,519	42,900	42,950	5,383	4,770	5,383	4,879	45,900	45,950	6,043	5,130	6,043	5,239	45,900	45,950	6,043	5,130	6,043	5,239
39,950	40,000	4,734	4,416	4,734	4,525	42,950	43,000	5,394	4,776	5,394	4,885	45,950	46,000	6,054	5,136	6,054	5,245	45,950	46,000	6,054	5,136	6,054	5,245
40,000																							
40,000	40,050	4,745	4,422	4,745	4,531	43,000	43,050	5,405	4,782	5,405	4,891	46,000	46,050	6,065	5,142	6,065	5,251	46,000	46,050	6,065	5,142	6,065	5,251
40,050	40,100	4,756	4,428	4,756	4,537	43,050	43,100	5,416	4,788	5,416	4,897	46,050	46,100	6,076	5,148	6,076	5,257	46,050	46,100	6,076	5,148	6,076	5,257
40,100	40,150	4,767	4,434	4,767	4,543	43,100	43,150	5,427	4,794	5,427	4,903	46,100	46,150	6,087	5,154	6,087	5,263	46,100	46,150	6,087	5,154	6,087	5,263
40,150	40,200	4,778	4,440	4,778	4,549	43,150	43,200	5,438	4,800	5,438	4,909	46,150	46,200	6,098	5,160	6,098	5,269	46,150	46,200	6,098	5,160	6,098	5,269
40,200	40,250	4,789	4,446	4,789	4,555	43,200	43,250	5,449	4,806	5,449	4,915	46,200	46,250	6,109	5,166	6,109	5,275	46,200	46,250	6,109	5,166	6,109	5,275
40,250	40,300	4,800	4,452	4,800	4,561	43,250	43,300	5,460	4,812	5,460	4,921	46,250	46,300	6,120	5,172	6,120	5,281	46,250	46,300	6,120	5,172	6,120	5,281
40,300	40,350	4,811	4,458	4,811	4,567	43,300	43,350	5,471	4,818	5,471	4,927	46,300	46,350	6,131	5,178	6,131	5,287	46,300	46,350	6,131	5,178	6,131	5,287
40,350	40,400	4,822	4,464	4,822	4,573	43,350	43,400	5,482	4,824	5,482	4,933	46,350	46,400	6,142	5,184	6,142	5,293	46,350	46,400	6,142	5,184	6,142	5,293
40,400	40,450	4,833	4,470	4,833	4,579	43,400	43,450	5,493	4,830	5,493	4,939	46,400	46,450	6,153	5,190	6,153	5,299	46,400	46,450	6,153	5,190	6,153	5,299
40,450	40,500	4,844	4,476	4,844	4,585	43,450	43,500	5,504	4,836	5,504	4,945	46,450	46,500	6,164	5,196	6,164	5,305	46,450	46,500	6,164	5,196	6,164	5,305
40,500	40,550	4,855	4,482	4,855	4,591	43,500	43,550	5,515	4,842	5,515	4,951	46,500	46,550	6,175	5,202	6,175	5,311	46,500	46,550	6,175	5,202	6,175	5,311
40,550	40,600	4,866	4,488	4,866	4,597	43,550	43,600	5,526	4,848	5,526	4,957	46,550	46,600	6,186	5,208	6,186	5,317	46,550	46,600	6,186	5,208	6,186	5,317
40,600	40,650	4,877	4,494	4,877	4,603	43,600	43,650	5,537	4,854	5,537	4,963	46,600	46,650	6,197	5,214	6,197	5,323	46,600	46,650	6,197	5,214	6,197	5,323
40,650	40,700	4,888	4,500	4,888	4,609	43,650	43,700	5,548	4,860	5,548	4,969	46,650	46,700	6,208	5,220	6,208	5,329	46,650	46,700	6,208	5,220	6,208	5,329
40,700	40,750	4,899	4,506	4,899	4,615	43,700	43,750	5,559	4,866	5,559	4,975	46,700	46,750	6,219	5,226	6,219	5,335	46,700	46,750	6,219	5,226	6,219	5,335
40,750	40,800	4,910	4,512	4,910	4,621	43,750	43,800	5,570	4,872	5,570	4,981	46,750	46,800	6,230	5,232	6,230	5,341	46,750	46,800	6,230	5,232	6,230	5,341
40,800	40,850	4,921	4,518	4,921	4,627	43,800	43,850	5,581	4,878	5,581	4,987	46,800	46,850	6,241	5,238	6,241	5,347	46,800	46,850	6,241	5,238	6,241	5,347
40,850	40,900	4,932	4,524	4,932	4,633	43,850	43,900	5,592	4,884	5,592	4,993	46,850	46,900	6,252	5,244	6,252	5,353	46,850	46,900	6,252	5,244	6,252	5,353
40,900	40,950	4,943	4,530	4,943	4,639	43,900	43,950	5,603	4,890	5,603	4,999	46,900	46,950	6,263	5,250	6,263	5,359	46,900	46,950	6,263	5,250	6,263	5,359
40,950	41,000	4,954	4,536	4,954	4,645	43,950	44,000	5,614	4,896	5,614	5,005	46,950	47,000	6,274	5,256	6,274	5,365	46,950	47,000	6,274	5,256	6,274	5,365
41,000																							
41,000	41,050	4,965	4,542	4,965	4,651	44,000	44,050	5,625	4,902	5,625	5,011	47,000	47,050	6,285	5,262	6,285	5,371	47,000	47,050	6,285	5,262	6,285	5,371
41,050	41,100	4,976	4,548	4,976	4,657	44,050	44,100	5,636	4,908	5,636	5,017	47,050	47,100	6,296	5,268	6,296	5,377	47,050	47,100	6,296	5,268	6,296	5,377
41,100	41,150	4,987	4,554	4,987	4,663	44,100	44,150	5,647	4,914	5,647	5,023	47,100	47,150	6,307	5,274	6,307	5,383	47,100	47,150	6,307	5,274	6,307	5,383
41,150	41,200	4,998	4,560	4,998	4,669	44,150	44,200	5,658	4,920	5,658	5,029	47,150	47,200	6,318	5,280	6,318	5,389	47,150	47,200	6,318	5,280	6,318	5,389
41,200	41,250	5,009	4,566	5,009	4,675	44,200	44,250	5,669	4,926	5,669	5,035	47,200	47,250	6,329	5,286	6,329	5,395	47,200	47,250	6,329	5,286	6,329	5,395
41,250	41,300	5,020	4,572	5,020	4,681	44,250	44,300	5,680	4,932	5,680	5,041	47,250	47,300	6,340	5,292	6,340	5,401	47,250	47,300	6,340	5,292	6,340	5,401
41,300	41,350	5,031	4,578	5,031	4,687	44,300	44,350	5,691	4,938	5,691	5												

If line 10 (taxable income) is—		And you are—				Your tax is—	If line 10 (taxable income) is—		And you are—				Your tax is—	If line 10 (taxable income) is—		And you are—				Your tax is—																											
		Single	Married filing jointly *	Married filing separately	Head of a household				Single	Married filing jointly *	Married filing separately	Head of a household				Single	Married filing jointly *	Married filing separately	Head of a household																												
At least	But less than						At least	But less than					At least	But less than						At least	But less than																										
48,000						51,000						54,000																																			
48,000	48,050	6,505	5,382	6,505	5,491	51,000	51,050	7,165	5,742	7,165	5,851	54,000	54,050	7,825	6,102	7,825	6,434	54,050	54,100	7,836	6,108	7,836	6,445	54,100	54,150	7,847	6,114	7,847	6,456	54,150	54,200	7,858	6,120	7,858	6,467	54,200	54,250	7,869	6,126	7,869	6,478						
48,050	48,100	6,516	5,388	6,516	5,497	51,050	51,100	7,176	5,748	7,176	5,857	54,250	54,300	7,880	6,132	7,880	6,489	54,300	54,350	7,891	6,138	7,891	6,500	54,350	54,400	7,902	6,144	7,902	6,511	54,400	54,450	7,913	6,150	7,913	6,522	54,450	54,500	7,924	6,156	7,924	6,533						
48,100	48,150	6,527	5,394	6,527	5,503	51,100	51,150	7,187	5,754	7,187	5,863	54,450	54,500	7,935	6,162	7,935	6,544	54,500	54,550	7,946	6,168	7,946	6,555	54,550	54,600	7,957	6,174	7,957	6,566	54,600	54,650	7,968	6,180	7,968	6,577	54,650	54,700	7,979	6,186	7,979	6,588						
48,150	48,200	6,538	5,400	6,538	5,509	51,150	51,200	7,198	5,760	7,198	5,869	54,650	54,700	7,980	6,186	7,980	6,588	54,700	54,750	7,991	6,192	7,991	6,599	54,750	54,800	8,002	6,198	8,002	6,610	54,800	54,850	8,013	6,204	8,013	6,621	54,850	54,900	8,024	6,210	8,024	6,632	54,900	54,950	8,035	6,216	8,035	6,643
48,200	48,250	6,549	5,406	6,549	5,515	51,200	51,250	7,209	5,766	7,209	5,875	54,900	54,950	8,036	6,216	8,036	6,643	54,950	55,000	8,047	6,222	8,047	6,654	55,000	55,050	8,058	6,228	8,058	6,665	55,050	55,100	8,069	6,234	8,069	6,676	55,100	55,150	8,080	6,240	8,080	6,687	55,150	55,200	8,091	6,246	8,091	6,698
48,250	48,300	6,560	5,412	6,560	5,521	51,250	51,300	7,220	5,772	7,220	5,881	55,200	55,250	8,100	6,252	8,100	6,709	55,250	55,300	8,111	6,258	8,111	6,720	55,300	55,350	8,122	6,264	8,122	6,731	55,350	55,400	8,133	6,270	8,133	6,742	55,400	55,450	8,144	6,276	8,144	6,753						
48,300	48,350	6,571	5,418	6,571	5,527	51,300	51,350	7,231	5,778	7,231	5,887	55,450	55,500	8,155	6,282	8,155	6,764	55,500	55,550	8,166	6,288	8,166	6,775	55,550	55,600	8,177	6,294	8,177	6,786	55,600	55,650	8,188	6,300	8,188	6,797	55,650	55,700	8,199	6,306	8,199	6,808						
48,350	48,400	6,582	5,424	6,582	5,533	51,350	51,400	7,242	5,784	7,242	5,893	55,650	55,700	8,188	6,306	8,188	6,797	55,700	55,750	8,199	6,312	8,199	6,808	55,750	55,800	8,210	6,318	8,210	6,819	55,800	55,850	8,221	6,324	8,221	6,830	55,850	55,900	8,232	6,330	8,232	6,841	55,900	55,950	8,243	6,336	8,243	6,852
48,400	48,450	6,593	5,430	6,593	5,539	51,400	51,450	7,253	5,790	7,253	5,899	55,850	55,900	8,210	6,312	8,210	6,819	55,900	55,950	8,221	6,318	8,221	6,830	55,950	56,000	8,232	6,324	8,232	6,841	56,000	56,050	8,243	6,330	8,243	6,852	56,050	56,100	8,254	6,336	8,254	6,863						
48,450	48,500	6,604	5,436	6,604	5,545	51,450	51,500	7,264	5,796	7,264	5,905	56,000	56,050	8,254	6,336	8,254	6,863	56,050	56,100	8,265	6,342	8,265	6,874	56,100	56,150	8,276	6,348	8,276	6,885	56,150	56,200	8,287	6,354	8,287	6,896	56,200	56,250	8,298	6,360	8,298	6,907	56,250	56,300	8,309	6,366	8,309	6,918
48,500	48,550	6,615	5,442	6,615	5,551	51,500	51,550	7,275	5,802	7,275	5,911	56,250	56,300	8,310	6,372	8,310	6,929	56,300	56,350	8,321	6,378	8,321	6,940	56,350	56,400	8,332	6,384	8,332	6,951	56,400	56,450	8,343	6,390	8,343	6,962	56,450	56,500	8,354	6,396	8,354	6,973						
48,550	48,600	6,626	5,448	6,626	5,557	51,550	51,600	7,286	5,808	7,286	5,917	56,450	56,500	8,365	6,402	8,365	6,984	56,500	56,550	8,376	6,408	8,376	6,995	56,550	56,600	8,387	6,414	8,387	7,006	56,600	56,650	8,398	6,420	8,398	7,017	56,650	56,700	8,409	6,426	8,409	7,028						
48,600	48,650	6,637	5,454	6,637	5,563	51,600	51,650	7,297	5,814	7,297	5,923	56,650	56,700	8,409	6,426	8,409	7,028	56,700	56,750	8,420	6,432	8,420	7,039	56,750	56,800	8,431	6,438	8,431	7,050	56,800	56,850	8,442	6,444	8,442	7,061	56,850	56,900	8,453	6,450	8,453	7,072						
48,650	48,700	6,648	5,460	6,648	5,569	51,650	51,700	7,308	5,820	7,308	5,929	56,850	56,900	8,442	6,438	8,442	7,050	56,900	56,950	8,453	6,444	8,453	7,061	56,950	57,000	8,464	6,450	8,464	7,072	57,000	57,050	8,475	6,456	8,475	7,083												
48,700	48,750	6,659	5,466	6,659	5,575	51,700	51,750	7,319	5,826	7,319	5,935	57,000	57,050	8,475	6,456	8,475	7,083	57,050	57,100	8,486	6,462	8,486	7,094	57,100	57,150	8,497	6,468	8,497	7,105	57,150	57,200	8,508	6,474	8,508	7,116	57,200	57,250	8,519	6,480	8,519	7,127						
48,750	48,800	6,670	5,472	6,670	5,581	51,750	51,800	7,330	5,832	7,330	5,941	57,200	57,250	8,519	6,480	8,519	7,127	57,250	57,300	8,530	6,486	8,530	7,138	57,300	57,350	8,541	6,492	8,541	7,149	57,350	57,400	8,552	6,498	8,552	7,160	57,400	57,450	8,563	6,504	8,563	7,171						
48,800	48,850	6,681	5,478	6,681	5,587	51,800	51,850	7,341	5,838	7,341	5,950	57,400	57,450	8,563	6,504	8,563	7,171	57,450	57,500	8,574	6,510	8,574	7,182	57,500	57,550	8,585	6,516	8,585	7,193	57,550	57,600	8,596	6,522	8,596	7,204	57,600	57,650	8,607	6,528	8,607	7,215						
48,850	48,900	6,692	5,484	6,692	5,593	51,850	51,900	7,352	5,844	7,352	5,961	57,600	57,650	8,607	6,516	8,607	7,193	57,650	57,700	8,618	6,522	8,618	7,204	57,700	57,750	8,629	6,528	8,629	7,215	57,750	57,800	8,640	6,534	8,640	7,226	57,800	57,850	8,651	6,540	8,651	7,237						
48,900	48,950	6,703	5,490	6,703	5,599	51,900	51,950	7,363	5,850	7,363	5,972	57,800	57,850	8,640	6,528	8,640	7,215	57,850	57,900	8,651	6,534	8,651	7,226	57,900	57,950	8,662	6,540	8,662	7,237	57,950	58,000	8,673	6,546	8,673	7,248												
48,950	49,000	6,714	5,496	6,714	5,605	51,950	52,000	7,374	5,856	7,374	5,983	58,000	58,050	8,673	6,546	8,673	7,248	58,050	58,100	8,684	6,552	8,684	7,259	58,100	58,150	8,695	6,558	8,695	7,260	58,150	58,200	8,706	6,564	8,706	7,271	58,200	58,250	8,717	6,570	8,717	7,282						
49,000						52,000						55,000																																			
49,000	49,050	6,725	5,502	6,725	5,611	52,000	52,050	7,385	5,862	7,385	5,994	55,000	55,050	8,045	6,222	8,045	6,654	55,050	55,100	8,056	6,228	8,056	6,665	55,100	55,150	8,067	6,234	8,067	6,676	55,150	55,200	8,078	6,240	8,078	6,687	55,200	55,250	8,089	6,246	8,089	6,698						
49,050	49,100	6,736	5,508	6,736	5,617	52,050	52,100	7,396	5,868	7,396	6,005	55,250	55,300	8,100	6,252	8,100	6,709	55,300	55,350	8,111	6,258	8,111	6,720	55,350	55,400	8,122	6,264	8,122	6,731	55,400	55,450	8,133	6,270	8,133	6,742	55,450	55,500	8,144	6,276	8,144	6,753						
49,100	49,150	6,747	5,514	6,747	5,623	52,100	52,150	7,407	5,874	7,407	6,016	55,450	55,500	8,155	6,282	8,155	6,764	55,500	55,550	8,166	6,288	8,166	6,775	55,550	55,600	8,177	6,294	8,177	6,786	55,600	55,650	8,188	6,300	8,188	6,797	55,650	55,700	8,199	6,306	8,199	6,808						
49,150	49,200	6,758	5,520	6,758	5,629	52,150	52,200	7,418	5,880	7,418	6,027	55,650	55,700	8,188	6,306	8,188	6,797	55,700	55,750	8,199	6,312	8,199	6,808	55,750	55,800	8,210	6,318	8,210	6,819	55,800	55,850	8,221	6,324	8,221	6,830	55,850	55,900	8,232	6,330	8,232	6,841						
49,200	49,250	6,769	5,526	6,769	5,635	52,200	52,250	7,429	5,886	7,429	6,038	55,850	55,900	8,210	6,312	8,210	6,819	55,900	55,950	8,221	6,318	8,221	6,830	55,950	56,000	8,232	6,324	8,232	6,841	56,000	56,050	8,243	6,330	8,243	6,852												
49,250	49,300	6,780	5,532	6,780	5,641	52,250	52,300	7,440	5,892	7,440	6,049	56,000	56,050	8,254	6,336	8,254	6,863	56,050	56,100	8,265	6,342	8,265	6,874	56,100	56,150	8,276	6,348	8,276	6,885	56,150	56,200	8,287	6,354	8,287	6,896	56,200	56,250	8,298	6,360	8,298	6,9						

If line 10 (taxable income) is—		And you are—				Your tax is—	If line 10 (taxable income) is—		And you are—				Your tax is—	If line 10 (taxable income) is—		And you are—				Your tax is—																					
		Single	Married filing jointly *	Married filing separately	Head of a household				Single	Married filing jointly *	Married filing separately	Head of a household				Single	Married filing jointly *	Married filing separately	Head of a household		Single	Married filing jointly *	Married filing separately	Head of a household																	
At least	But less than																																								
57,000						60,000										63,000																									
57,000	57,050	8,485	6,462	8,485	7,094	60,000	60,050	9,145	6,822	9,145	7,754	63,000	63,050	9,805	7,182	9,805	8,414	63,050	63,100	9,816	7,188	9,816	8,425	63,100	63,150	9,827	7,194	9,827	8,436	63,150	63,200	9,838	7,200	9,838	8,447	63,200	63,250	9,849	7,206	9,849	8,458
57,050	57,100	8,496	6,468	8,496	7,105	60,050	60,100	9,156	6,828	9,156	7,765	63,250	63,300	9,860	7,212	9,860	8,469	63,300	63,350	9,871	7,218	9,871	8,480	63,350	63,400	9,882	7,224	9,882	8,491	63,400	63,450	9,893	7,230	9,893	8,502	63,450	63,500	9,904	7,236	9,904	8,513
57,100	57,150	8,507	6,474	8,507	7,116	60,100	60,150	9,167	6,834	9,167	7,776	63,500	63,550	9,915	7,242	9,915	8,524	63,550	63,600	9,926	7,248	9,926	8,535	63,600	63,650	9,937	7,254	9,937	8,546	63,650	63,700	9,948	7,260	9,948	8,557	63,700	63,750	9,959	7,266	9,959	8,568
57,150	57,200	8,518	6,480	8,518	7,127	60,150	60,200	9,178	6,840	9,178	7,787	63,750	63,800	9,970	7,272	9,970	8,579	63,800	63,850	9,981	7,278	9,981	8,590	63,850	63,900	9,992	7,284	9,992	8,601	63,900	63,950	10,003	7,290	10,003	8,612	63,950	64,000	10,014	7,296	10,014	8,623
57,200	57,250	8,529	6,486	8,529	7,138	60,200	60,250	9,189	6,846	9,189	7,798	63,950	64,000	10,025	7,302	10,025	8,634	64,000	64,050	10,036	7,308	10,036	8,645	64,050	64,100	10,047	7,314	10,047	8,656	64,100	64,150	10,058	7,320	10,058	8,667	64,150	64,200	10,069	7,326	10,069	8,678
57,250	57,300	8,540	6,492	8,540	7,149	60,250	60,300	9,200	6,852	9,200	7,809	64,200	64,250	10,080	7,332	10,080	8,689	64,250	64,300	10,091	7,338	10,091	8,700	64,300	64,350	10,102	7,344	10,102	8,711	64,350	64,400	10,113	7,350	10,113	8,722	64,400	64,450	10,124	7,356	10,124	8,733
57,300	57,350	8,551	6,498	8,551	7,160	60,300	60,350	9,211	6,858	9,211	7,820	64,450	64,500	10,135	7,362	10,135	8,744	64,500	64,550	10,146	7,368	10,146	8,755	64,550	64,600	10,157	7,374	10,157	8,766	64,600	64,650	10,168	7,380	10,168	8,777	64,650	64,700	10,179	7,386	10,179	8,788
57,350	57,400	8,562	6,504	8,562	7,171	60,350	60,400	9,222	6,864	9,222	7,831	64,700	64,750	10,190	7,392	10,190	8,799	64,750	64,800	10,201	7,398	10,201	8,810	64,800	64,850	10,212	7,404	10,212	8,821	64,850	64,900	10,223	7,410	10,223	8,832	64,900	64,950	10,234	7,416	10,234	8,843
57,400	57,450	8,573	6,510	8,573	7,182	60,400	60,450	9,233	6,870	9,233	7,842	64,950	65,000	10,245	7,422	10,245	8,854	65,000	65,050	10,256	7,428	10,256	8,865	65,050	65,100	10,267	7,434	10,267	8,876	65,100	65,150	10,278	7,440	10,278	8,887	65,150	65,200	10,289	7,446	10,289	8,898
57,450	57,500	8,584	6,516	8,584	7,193	60,450	60,500	9,244	6,876	9,244	7,853	65,200	65,250	10,299	7,452	10,299	8,909	65,250	65,300	10,310	7,458	10,310	8,920	65,300	65,350	10,321	7,464	10,322	8,931	65,350	65,400	10,332	7,470	10,333	8,942	65,400	65,450	10,343	7,476	10,344	8,953
57,500	57,550	8,595	6,522	8,595	7,204	60,500	60,550	9,255	6,882	9,255	7,864	65,450	65,500	10,355	7,482	10,355	8,964	65,500	65,550	10,366	7,488	10,366	8,975	65,550	65,600	10,377	7,494	10,377	8,986	65,600	65,650	10,388	7,500	10,388	8,997	65,650	65,700	10,399	7,506	10,399	9,008
57,550	57,600	8,606	6,528	8,606	7,215	60,550	60,600	9,266	6,888	9,266	7,875	65,700	65,750	10,410	7,512	10,410	9,019	65,750	65,800	10,421	7,518	10,421	9,030	65,800	65,850	10,432	7,524	10,432	9,041	65,850	65,900	10,443	7,530	10,443	9,052	65,900	65,950	10,454	7,536	10,454	9,063
57,600	57,650	8,617	6,534	8,617	7,226	60,600	60,650	9,277	6,894	9,277	7,886	65,950	66,000	10,465	7,542	10,465	9,073	66,000	66,050	10,476	7,548	10,476	9,084	66,050	66,100	10,487	7,554	10,487	9,095	66,100	66,150	10,498	7,560	10,498	9,106	66,150	66,200	10,509	7,566	10,509	9,117
57,650	57,700	8,628	6,540	8,628	7,237	60,650	60,700	9,288	6,900	9,288	7,897	66,200	66,250	10,520	7,572	10,520	9,128	66,250	66,300	10,531	7,578	10,531	9,139	66,300	66,350	10,542	7,584	10,542	9,150	66,350	66,400	10,553	7,590	10,553	9,161	66,400	66,450	10,564	7,596	10,564	9,172
57,700	57,750	8,639	6,546	8,639	7,248	60,700	60,750	9,299	6,906	9,299	7,908	66,450	66,500	10,575	7,602	10,575	9,183	66,500	66,550	10,586	7,608	10,586	9,194	66,550	66,600	10,597	7,614	10,597	9,205	66,600	66,650	10,608	7,620	10,608	9,216	66,650	66,700	10,619	7,626	10,619	9,227
57,750	57,800	8,650	6,552	8,650	7,259	60,750	60,800	9,310	6,912	9,310	7,919	66,700	66,750	10,630	7,632	10,630	9,238	66,750	66,800	10,641	7,638	10,641	9,249	66,800	66,850	10,652	7,644	10,652	9,260	66,850	66,900	10,663	7,650	10,663	9,271	66,900	66,950	10,674	7,656	10,674	9,282
57,800	57,850	8,661	6,558	8,661	7,270	60,800	60,850	9,321	6,918	9,321	7,930	66,950	67,000	10,685	7,662	10,685	9,293	67,000	67,050	10,696	7,668	10,696	9,304	67,050	67,100	10,707	7,674	10,707	9,315	67,100	67,150	10,718	7,680	10,718	9,326	67,150	67,200	10,729	7,686	10,729	9,337
57,850	57,900	8,672	6,564	8,672	7,281	60,850	60,900	9,332	6,924	9,332	7,941	67,200	67,250	10,719	7,688	10,719	9,348	67,250	67,300	10,730	7,694	10,730	9,359	67,300	67,350	10,741	7,700	10,741	9,370	67,350	67,400	10,752	7,706	10,752	9,381	67,400	67,450	10,763	7,712	10,763	9,392
57,900	57,950	8,683	6,570	8,683	7,292	60,900	60,950	9,343	6,930	9,343	7,952	67,450	67,500	10,773	7,714	10,773	9,403	67,500	67,550	10,784	7,720	10,784	9,414	67,550	67,600	10,795	7,726	10,795	9,425	67,600	67,650	10,806	7,732	10,806	9,436	67,650	67,700	10,817	7,738	10,817	9,447
57,950	58,000	8,694	6,576	8,694	7,303	60,950	61,000	9,354	6,936	9,354	7,963	67,700	67,750	10,828	7,740	10,828	9,458	67,750	67,800	10,839	7,746	10,839	9,469	67,800	67,850	10,850	7,752	10,850	9,480	67,850	67,900	10,861	7,758	10,861	9,491	67,900	67,950	10,872	7,764	10,872	9,502
58,000						61,000										64,000																									
58,000	58,050	8,705	6,582	8,705	7,314	61,000	61,050	9,365	6,942	9,365	7,974	64,000	64,050	10,883	7,762	10,883	9,513	64,050	64,100	10,894	7,768	10,894	9,524	64,100	64,150	10,905	7,774	10,905	9,535	64,150	64,200	10,916	7,780	10,916	9,546	64,200	64,250	10,927	7,786	10,927	9,557
58,050	58,100	8,716	6,588	8,716	7,325	61,050	61,100	9,376	6,948	9,376	7,985	64,250	64,300	10,937	7,788	10,937	9,568	64,300	64,350	10,948	7,794	10,948	9,569	64,350	64,400	10,959	7,800	10,959	9,580	64,400	64,450	10,970	7,806	10,970	9,591	64,450	64,500	10,981	7,812	10,981	9,602
58,100	58,150	8,727	6,594	8,727	7,336	61,100	61,150	9,387	6,954	9,387	7,996	64,500	64,550	10,991	7,814	10,991	9,613	64,550	64,600	11,002	7,820	11,002	9,624	64,600	64,650	11,013	7,826	11,013	9,635	64,650	64,700	11,024	7,832	11,024	9,646	64,700	64,750	11,035	7,838	11,035	9,657
58,150	58,200	8,738	6,600	8,738	7,347	61,150	61,200	9,398	6,960	9,398	8,007	64,750	64,800	11,045	7,840	11,045	9,668	64,800	64,850	11,056	7,846	11,056	9,679	64,850	64,900	11,067	7,852	11,067	9,690	64,900	64,950	11,078	7,858	11,078	9,701	64,950	65,000	11,089	7,864	11,089	9,712
58,200	58,250	8,749	6,606	8,749	7,358	61,200	61,250	9,409	6,966	9,409	8,018	65,000	65,050	11,099	7,862	11,099	9,723	65,050	65,100	11,110	7,868	11,110	9,734	65,100	65,150	11,121	7,874	11,121	9,745	65,150	65,200	11,132	7,880	11,132	9,756	65,200	65,250	11,143	7,886	11,143	9,767
58,250	58,300	8,760	6,612	8,760	7,369	61,250	61,300	9,420	6,972	9,420	8,029	65,250	65,300	11,153	7,882	11,153	9,777	65,300	65,350	11,164	7,888	11,164	9,788	65,350	65,400	11,175	7,894	11,175	9,799	6											

If line 10 (taxable income) is—		And you are—				Your tax is—	If line 10 (taxable income) is—		And you are—				Your tax is—	If line 10 (taxable income) is—		And you are—				Your tax is—																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
At least	But less than	Single	Married filing jointly *	Married filing separately	Head of a household		At least	But less than	Single	Married filing jointly *	Married filing separately	Head of a household		At least	But less than	Single	Married filing jointly *	Married filing separately	Head of a household																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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66,000	66,050	10,465	7,542	10,465	9,074	69,000	69,050	11,125	7,902	11,125	9,734	72,000	72,050	11,785	8,262	11,785	10,394	66,050	66,100	10,476	7,548	10,476	9,085	69,050	69,100	11,136	7,908	11,136	9,745	72,050	72,100	11,796	8,268	11,796	10,405	66,100	66,150	10,487	7,554	10,487	9,096	69,100	69,150	11,147	7,914	11,147	9,756	72,100	72,150	11,807	8,274	11,807	10,416	66,150	66,200	10,498	7,560	10,498	9,107	69,150	69,200	11,158	7,920	11,158	9,767	72,150	72,200	11,818	8,280	11,818	10,427	66,200	66,250	10,509	7,566	10,509	9,118	69,200	69,250	11,169	7,926	11,169	9,778	72,200	72,250	11,829	8,286	11,829	10,438	67,000						70,000						73,000						67,000	67,050	10,685	7,662	10,685	9,294	70,000	70,050	11,345	8,022	11,345	9,954	73,000	73,050	12,005	8,382	12,005	10,614	67,050	67,100	10,696	7,668	10,696	9,305	70,050	70,100	11,356	8,028	11,356	9,965	73,050	73,100	12,016	8,388	12,016	10,625	67,100	67,150	10,707	7,674	10,707	9,316	70,100	70,150	11,367	8,034	11,367	9,976	73,100	73,150	12,027	8,394	12,027	10,636	67,150	67,200	10,718	7,680	10,718	9,327	70,150	70,200	11,378	8,040	11,378	9,987	73,150	73,200	12,038	8,400	12,038	10,647	67,200	67,250	10,729	7,686	10,729	9,338	70,200	70,250	11,389	8,046	11,389	9,998	73,200	73,250	12,049	8,406	12,049	10,658	68,000						71,000						74,000						68,000	68,050	10,905	7,782	10,905	9,514	71,000	71,050	11,565	8,142	11,565	10,174	74,000	74,050	12,225	8,502	12,225	10,834	68,050	68,100	10,916	7,788	10,916	9,525	71,050	71,100	11,576	8,148	11,576	10,185	74,050	74,100	12,236	8,508	12,236	10,845	68,100	68,150	10,927	7,794	10,927	9,536	71,100	71,150	11,587	8,154	11,587	10,196	74,100	74,150	12,247	8,514	12,247	10,856	68,150	68,200	10,938	7,800	10,938	9,547	71,150	71,200	11,598	8,160	11,598	10,207	74,150	74,200	12,258	8,520	12,258	10,867	68,200	68,250	10,949	7,806	10,949	9,558	71,200	71,250	11,609	8,166	11,609	10,218	74,200	74,250	12,269	8,526	12,269	10,878	69,000						72,000						75,000						69,000	69,050	11,125	7,902	11,125	9,734	72,000	72,050	11,785	8,262	11,785	10,394	75,000	75,050	12,425	8,562	12,425	10,944	69,050	69,100	11,136	7,908	11,136	9,745	72,050	72,100	11,796	8,268	11,796	10,405	75,050	75,100	12,436	8,568	12,436	10,955	69,100	69,150	11,147	7,914	11,147	9,756	72,100	72,150	11,807	8,274	11,807	10,416	75,100	75,150	12,447	8,574	12,447	10,966	69,150	69,200	11,158	7,920	11,158	9,767	72,150	72,200	11,818	8,280	11,818	10,427	75,150	75,200	12,458	8,580	12,458	10,977	69,200	69,250	11,169	7,926	11,169	9,778	72,200	72,250	11,829	8,286	11,829	10,438	75,200	75,250	12,469	8,586	12,469	10,988	70,000						73,000						76,000						70,000	70,050	11,345	8,022	11,345	9,954	73,000	73,050	12,005	8,382	12,005	10,614	76,000	76,050	12,645	8,526	12,645	11,302	70,050	70,100	11,356	8,028	11,356	9,965	73,050	73,100	12,016	8,388	12,016	10,625	76,050	76,100	12,656	8,532	12,656	11,313	70,100	70,150	11,367	8,034	11,367	9,976	73,100	73,150	12,027	8,394	12,027	10,636	76,100	76,150	12,667	8,538	12,667	11,324	70,150	70,200	11,378	8,040	11,378	9,987	73,150	73,200	12,038	8,400	12,038	10,647	76,150	76,200	12,678	8,544	12,678	11,335	70,200	70,250	11,389	8,046	11,389	9,998	73,200	73,250	12,049	8,406	12,049	10,658	76,200	76,250	12,689	8,550	12,689	11,346	71,000						74,000						77,000						71,000	71,050	11,565	8,142	11,565	10,174	74,000	74,050	12,225	8,502	12,225	10,834	77,000	77,050	12,865	8,526	12,865	11,478	71,050	71,100	11,576	8,148	11,576	10,185	74,050	74,100	12,236	8,508	12,236	10,845	77,050	77,100	12,876	8,532	12,876	11,489	71,100	71,150	11,587	8,154	11,587	10,196	74,100	74,150	12,247	8,514	12,247	10,856	77,100	77,150	12,887	8,538	12,887	11,500	71,150	71,200	11,598	8,160	11,598	10,207	74,150	74,200	12,258	8,520	12,258	10,867	77,150	77,200	12,898	8,544	12,898	11,511	71,200	71,250	11,609	8,166	11,609	10,218	74,200	74,250	12,269	8,526	12,269	10,878	77,200	77,250	12,909	8,550	12,909	11,522	72,000						75,000						78,000						72,000	72,050	11,785	8,262	11,785	10,394	75,000	75,050	12,425	8,562	12,425	10,944	78,000	78,050	13,065	8,526	13,065	11,622	72,050	72,100	11,796	8,268	11,796	10,405	75,050	75,100	12,436	8,568	12,436	10,955	78,050	78,100	13,076	8,532	13,076	11,633	72,100	72,150	11,807	8,274	11,807	10,416	75,100	75,150	12,447	8,574	12,447	10,966	78,100	78,150	13,087	8,538	13,087	11,644	72,150	72,200	11,818	8,280	11,818	10,427	75,150	75,200	12,458	8,580	12,458	10,977	78,150	78,200	13,098	8,544	13,098	11,655	72,200	72,250	11,829	8,286	11,829	10,438	75,200	75,250	12,469	8,586	12,469	10,988	78,200	78,250	13,109	8,550	13,109	11,666	73,000						76,000						79,000						73,000	73,050	12,005	8,382	12,005	10,614	76,000	76,050	12,645	8,526	12,645	11,302	79,000	79,050	13,285	8,526	13,285	11,948	73,050	73,100	12,016	8,388	12,016	10,625	76,050	76,100	12,656	8,532	12,656	11,313	79,050	79,100	13,296	8,532	13,296	11,959	73,100	73,150	12,027	8,394	12,027	10,636	76,100	76,150	12,667	8,538	12,667	11,324	79,100	79,150	13,307	8,538	13,307	11,970	73,150	73,200	12,038	8,400	12,038	10,647	76,150	76,200	12,678	8,544	12,678	11,335	79,150	79,200	13,318	8,544	13,318	11,981	73,200	73,250	12,049	8,406	12,049	10,658	76,200	76,250	12,689	8,550	12,689	11,346	79,200	79,250	13,329	8,550	13,329	11,992	74,000						77,000						80,000						74,000	74,050	12,225	8,502	12,225	10,834	77,000	77,050	12,865	8,526	12,865	11,478	80,000	80,050	13,505	8,526	13,505	12,124	74,050	74,100	12,236	8,508	12,236	10,845	77,050	77,100	12,876	8,532	12,876	11,489	80,050	80,100	13,516	8,532	13,516	12,135	74,100	74,150	12,247	8,514	12,247	10,856	77,100	77,150	12,887	8,538	12,887	11,500	80,100	80,150	13,527	8,538	13,527	12,146	74,150	74,200	12,258	8,520	12,258	10,867	77,150	77,200	12,898	8,544	12,898	11,511	80,150	80,200	13,538	8,544	13,538	12,157	74,200	74,250	12,269	8,526	12,269	10,878	77,200	77,250	12,909	8,550	12,909	11,522	80,200	80,250	13,549	8,550	13,549	12,168	75,000						78,000						81,000						75,000	75,050	12,425	8,562	12,425	10,944	78,000	78,050	13,065	8,526	13,065	11,622	81,000	81,050	13,705	8,526	13,705	12,468	75,050	75,100	12,436	8,568	12,436	10,955	78,050	78,100	13,076	8,532	13,076	11,633	81,050	81,100	13,716	8,532	13,716	12,479	75,100	75,150	12,447	8,574	12,447	10,966	78,100	78,150	13,087	8,538	13,087	11,644	81,100	81,150	13,727	8,538	13,727	12,490	75,150	75,200	12,458	8,580	12,458	10,977	78,150	78,200	13,098	8,544	13,098	11,655	81,150	81,200	13,738	8,544	13,738	12,501	75,200	75,250	12,469	8,586	12,469	10,988	78,200	78,250	13,109	8,550	13,109	11,666	81,200	81,250	13,749	8,550	13,749	12,512	76,000						79,000						82,000						76,000	76,050	12,645	8,526	12,645	11,302	79,000	79,050	13,285	8,526	13,285	11,948	82,000	82,050	14,385	8,526	14,385	12,814	76,050	76,100	12,656	8,532	12,656	11,313	79,050	79,100	13,296	8,532	13,296	11,959	82,050	82,100	14,396	8,532	14,396	12,825	76,100	76,150	12,667	8,538	12,667	11,324	79,100	79,150	13,307	8,538	13,307	11,970	82,100	82,150	14,407	8,538	14,407	12,836	76,150	76,200	12,678	8,544	12,678	11,335	79,150	79,200	13,318	8,544	13,318	11,981	82,150	82,200	14,418	8,544	14,418	12,847	76,200	76,250	12,689	8,550	12,689	11,346	79,200	79,250	13,329	8,550	13,329	11,992	82,200	82,250	14,429	8,550	14,429	12,858	77,000						80,000						83,000						77,000	77,050	12,865	8,526	12,865	11,478	80,000	80,050	13,505	8,526	13,505	12,124	83,000	83,050	14,605	8,526	14,605
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67,000	67,050	10,685	7,662	10,685	9,294	70,000	70,050	11,345	8,022	11,345	9,954	73,000	73,050	12,005	8,382	12,005	10,614	67,050	67,100	10,696	7,668	10,696	9,305	70,050	70,100	11,356	8,028	11,356	9,965	73,050	73,100	12,016	8,388	12,016	10,625	67,100	67,150	10,707	7,674	10,707	9,316	70,100	70,150	11,367	8,034	11,367	9,976	73,100	73,150	12,027	8,394	12,027	10,636	67,150	67,200	10,718	7,680	10,718	9,327	70,150	70,200	11,378	8,040	11,378	9,987	73,150	73,200	12,038	8,400	12,038	10,647	67,200	67,250	10,729	7,686	10,729	9,338	70,200	70,250	11,389	8,046	11,389	9,998	73,200	73,250	12,049	8,406	12,049	10,658	68,000						71,000						74,000						68,000	68,050	10,905	7,782	10,905	9,514	71,000	71,050	11,565	8,142	11,565	10,174	74,000	74,050	12,225	8,502	12,225	10,834	68,050	68,100	10,916	7,788	10,916	9,525	71,050	71,100	11,576	8,148	11,576	10,185	74,050	74,100	12,236	8,508	12,236	10,845	68,100	68,150	10,927	7,794	10,927	9,536	71,100	71,150	11,587	8,154	11,587	10,196	74,100	74,150	12,247	8,514	12,247	10,856	68,150	68,200	10,938	7,800	10,938	9,547	71,150	71,200	11,598	8,160	11,598	10,207	74,150	74,200	12,258	8,520	12,258	10,867	68,200	68,250	10,949	7,806	10,949	9,558	71,200	71,250	11,609	8,166	11,609	10,218	74,200	74,250	12,269	8,526	12,269	10,878	69,000						72,000						75,000						69,000	69,050	11,125	7,902	11,125	9,734	72,000	72,050	11,785	8,262	11,785	10,394	75,000	75,050	12,425	8,562	12,425	10,944	69,050	69,100	11,136	7,908	11,136	9,745	72,050	72,100	11,796	8,268	11,796	10,405	75,050	75,100	12,436	8,568	12,436	10,955	69,100	69,150	11,147	7,914	11,147	9,756	72,100	72,150	11,807	8,274	11,807	10,416	75,100	75,150	12,447	8,574	12,447	10,966	69,150	69,200	11,158	7,920	11,158	9,767	72,150	72,200	11,818	8,280	11,818	10,427	75,150	75,200	12,458	8,580	12,458	10,977	69,200	69,250	11,169	7,926	11,169	9,778	72,200	72,250	11,829	8,286	11,829	10,438	75,200	75,250	12,469	8,586	12,469	10,988	70,000						73,000						76,000						70,000	70,050	11,345	8,022	11,345	9,954	73,000	73,050	12,005	8,382	12,005	10,614	76,000	76,050	12,645	8,526	12,645	11,302	70,050	70,100	11,356	8,028	11,356	9,965	73,050	73,100	12,016	8,388	12,016	10,625	76,050	76,100	12,656	8,532	12,656	11,313	70,100	70,150	11,367	8,034	11,367	9,976	73,100	73,150	12,027	8,394	12,027	10,636	76,100	76,150	12,667	8,538	12,667	11,324	70,150	70,200	11,378	8,040	11,378	9,987	73,150	73,200	12,038	8,400	12,038	10,647	76,150	76,200	12,678	8,544	12,678	11,335	70,200	70,250	11,389	8,046	11,389	9,998	73,200	73,250	12,049	8,406	12,049	10,658	76,200	76,250	12,689	8,550	12,689	11,346	71,000						74,000						77,000						71,000	71,050	11,565	8,142	11,565	10,174	74,000	74,050	12,225	8,502	12,225	10,834	77,000	77,050	12,865	8,526	12,865	11,478	71,050	71,100	11,576	8,148	11,576	10,185	74,050	74,100	12,236	8,508	12,236	10,845	77,050	77,100	12,876	8,532	12,876	11,489	71,100	71,150	11,587	8,154	11,587	10,196	74,100	74,150	12,247	8,514	12,247	10,856	77,100	77,150	12,887	8,538	12,887	11,500	71,150	71,200	11,598	8,160	11,598	10,207	74,150	74,200	12,258	8,520	12,258	10,867	77,150	77,200	12,898	8,544	12,898	11,511	71,200	71,250	11,609	8,166	11,609	10,218	74,200	74,250	12,269	8,526	12,269	10,878	77,200	77,250	12,909	8,550	12,909	11,522	72,000						75,000						78,000						72,000	72,050	11,785	8,262	11,785	10,394	75,000	75,050	12,425	8,562	12,425	10,944	78,000	78,050	13,065	8,526	13,065	11,622	72,050	72,100	11,796	8,268	11,796	10,405	75,050	75,100	12,436	8,568	12,436	10,955	78,050	78,100	13,076	8,532	13,076	11,633	72,100	72,150	11,807	8,274	11,807	10,416	75,100	75,150	12,447	8,574	12,447	10,966	78,100	78,150	13,087	8,538	13,087	11,644	72,150	72,200	11,818	8,280	11,818	10,427	75,150	75,200	12,458	8,580	12,458	10,977	78,150	78,200	13,098	8,544	13,098	11,655	72,200	72,250	11,829	8,286	11,829	10,438	75,200	75,250	12,469	8,586	12,469	10,988	78,200	78,250	13,109	8,550	13,109	11,666	73,000						76,000						79,000						73,000	73,050	12,005	8,382	12,005	10,614	76,000	76,050	12,645	8,526	12,645	11,302	79,000	79,050	13,285	8,526	13,285	11,948	73,050	73,100	12,016	8,388	12,016	10,625	76,050	76,100	12,656	8,532	12,656	11,313	79,050	79,100	13,296	8,532	13,296	11,959	73,100	73,150	12,027	8,394	12,027	10,636	76,100	76,150	12,667	8,538	12,667	11,324	79,100	79,150	13,307	8,538	13,307	11,970	73,150	73,200	12,038	8,400	12,038	10,647	76,150	76,200	12,678	8,544	12,678	11,335	79,150	79,200	13,318	8,544	13,318	11,981	73,200	73,250	12,049	8,406	12,049	10,658	76,200	76,250	12,689	8,550	12,689	11,346	79,200	79,250	13,329	8,550	13,329	11,992	74,000						77,000						80,000						74,000	74,050	12,225	8,502	12,225	10,834	77,000	77,050	12,865	8,526	12,865	11,478	80,000	80,050	13,505	8,526	13,505	12,124	74,050	74,100	12,236	8,508	12,236	10,845	77,050	77,100	12,876	8,532	12,876	11,489	80,050	80,100	13,516	8,532	13,516	12,135	74,100	74,150	12,247	8,514	12,247	10,856	77,100	77,150	12,887	8,538	12,887	11,500	80,100	80,150	13,527	8,538	13,527	12,146	74,150	74,200	12,258	8,520	12,258	10,867	77,150	77,200	12,898	8,544	12,898	11,511	80,150	80,200	13,538	8,544	13,538	12,157	74,200	74,250	12,269	8,526	12,269	10,878	77,200	77,250	12,909	8,550	12,909	11,522	80,200	80,250	13,549	8,550	13,549	12,168	75,000						78,000						81,000						75,000	75,050	12,425	8,562	12,425	10,944	78,000	78,050	13,065	8,526	13,065	11,622	81,000	81,050	13,705	8,526	13,705	12,468	75,050	75,100	12,436	8,568	12,436	10,955	78,050	78,100	13,076	8,532	13,076	11,633	81,050	81,100	13,716	8,532	13,716	12,479	75,100	75,150	12,447	8,574	12,447	10,966	78,100	78,150	13,087	8,538	13,087	11,644	81,100	81,150	13,727	8,538	13,727	12,490	75,150	75,200	12,458	8,580	12,458	10,977	78,150	78,200	13,098	8,544	13,098	11,655	81,150	81,200	13,738	8,544	13,738	12,501	75,200	75,250	12,469	8,586	12,469	10,988	78,200	78,250	13,109	8,550	13,109	11,666	81,200	81,250	13,749	8,550	13,749	12,512	76,000						79,000						82,000						76,000	76,050	12,645	8,526	12,645	11,302	79,000	79,050	13,285	8,526	13,285	11,948	82,000	82,050	14,385	8,526	14,385	12,814	76,050	76,100	12,656	8,532	12,656	11,313	79,050	79,100	13,296	8,532	13,296	11,959	82,050	82,100	14,396	8,532	14,396	12,825	76,100	76,150	12,667	8,538	12,667	11,324	79,100	79,150	13,307	8,538	13,307	11,970	82,100	82,150	14,407	8,538	14,407	12,836	76,150	76,200	12,678	8,544	12,678	11,335	79,150	79,200	13,318	8,544	13,318	11,981	82,150	82,200	14,418	8,544	14,418	12,847	76,200	76,250	12,689	8,550	12,689	11,346	79,200	79,250	13,329	8,550	13,329	11,992	82,200	82,250	14,429	8,550	14,429	12,858	77,000						80,000						83,000						77,000	77,050	12,865	8,526	12,865	11,478	80,000	80,050	13,505	8,526	13,505	12,124	83,000	83,050	14,605	8,526	14,605																																																																																																												
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68,000	68,050	10,905	7,782	10,905	9,514	71,000	71,050	11,565	8,142	11,565	10,174	74,000	74,050	12,225	8,502	12,225	10,834	68,050	68,100	10,916	7,788	10,916	9,525	71,050	71,100	11,576	8,148	11,576	10,185	74,050	74,100	12,236	8,508	12,236	10,845	68,100	68,150	10,927	7,794	10,927	9,536	71,100	71,150	11,587	8,154	11,587	10,196	74,100	74,150	12,247	8,514	12,247	10,856	68,150	68,200	10,938	7,800	10,938	9,547	71,150	71,200	11,598	8,160	11,598	10,207	74,150	74,200	12,258	8,520	12,258	10,867	68,200	68,250	10,949	7,806	10,949	9,558	71,200	71,250	11,609	8,166	11,609	10,218	74,200	74,250	12,269	8,526	12,269	10,878	69,000						72,000						75,000						69,000	69,050	11,125	7,902	11,125	9,734	72,000	72,050	11,785	8,262	11,785	10,394	75,000	75,050	12,425	8,562	12,425	10,944	69,050	69,100	11,136	7,908	11,136	9,745	72,050	72,100	11,796	8,268	11,796	10,405	75,050	75,100	12,436	8,568	12,436	10,955	69,100	69,150	11,147	7,914	11,147	9,756	72,100	72,150	11,807	8,274	11,807	10,416	75,100	75,150	12,447	8,574	12,447	10,966	69,150	69,200	11,158	7,920	11,158	9,767	72,150	72,200	11,818	8,280	11,818	10,427	75,150	75,200	12,458	8,580	12,458	10,977	69,200	69,250	11,169	7,926	11,169	9,778	72,200	72,250	11,829	8,286	11,829	10,438	75,200	75,250	12,469	8,586	12,469	10,988	70,000						73,000						76,000						70,000	70,050	11,345	8,022	11,345	9,954	73,000	73,050	12,005	8,382	12,005	10,614	76,000	76,050	12,645	8,526	12,645	11,302	70,050	70,100	11,356	8,028	11,356	9,965	73,050	73,100	12,016	8,388	12,016	10,625	76,050	76,100	12,656	8,532	12,656	11,313	70,100	70,150	11,367	8,034	11,367	9,976	73,100	73,150	12,027	8,394	12,027	10,636	76,100	76,150	12,667	8,538	12,667	11,324	70,150	70,200	11,378	8,040	11,378	9,987	73,150	73,200	12,038	8,400	12,038	10,647	76,150	76,200	12,678	8,544	12,678	11,335	70,200	70,250	11,389	8,046	11,389	9,998	73,200	73,250	12,049	8,406	12,049	10,658	76,200	76,250	12,689	8,550	12,689	11,346	71,000						74,000						77,000						71,000	71,050	11,565	8,142	11,565	10,174	74,000	74,050	12,225	8,502	12,225	10,834	77,000	77,050	12,865	8,526	12,865	11,478	71,050	71,100	11,576	8,148	11,576	10,185	74,050	74,100	12,236	8,508	12,236	10,845	77,050	77,100	12,876	8,532	12,876	11,489	71,100	71,150	11,587	8,154	11,587	10,196	74,100	74,150	12,247	8,514	12,247	10,856	77,100	77,150	12,887	8,538	12,887	11,500	71,150	71,200	11,598	8,160	11,598	10,207	74,150	74,200	12,258	8,520	12,258	10,867	77,150	77,200	12,898	8,544	12,898	11,511	71,200	71,250	11,609	8,166	11,609	10,218	74,200	74,250	12,269	8,526	12,269	10,878	77,200	77,250	12,909	8,550	12,909	11,522	72,000						75,000						78,000						72,000	72,050	11,785	8,262	11,785	10,394	75,000	75,050	12,425	8,562	12,425	10,944	78,000	78,050	13,065	8,526	13,065	11,622	72,050	72,100	11,796	8,268	11,796	10,405	75,050	75,100	12,436	8,568	12,436	10,955	78,050	78,100	13,076	8,532	13,076	11,633	72,100	72,150	11,807	8,274	11,807	10,416	75,100	75,150	12,447	8,574	12,447	10,966	78,100	78,150	13,087	8,538	13,087	11,644	72,150	72,200	11,818	8,280	11,818	10,427	75,150	75,200	12,458	8,580	12,458	10,977	78,150	78,200	13,098	8,544	13,098	11,655	72,200	72,250	11,829	8,286	11,829	10,438	75,200	75,250	12,469	8,586	12,469	10,988	78,200	78,250	13,109	8,550	13,109	11,666	73,000						76,000						79,000						73,000	73,050	12,005	8,382	12,005	10,614	76,000	76,050	12,645	8,526	12,645	11,302	79,000	79,050	13,285	8,526	13,285	11,948	73,050	73,100	12,016	8,388	12,016	10,625	76,050	76,100	12,656	8,532	12,656	11,313	79,050	79,100	13,296	8,532	13,296	11,959	73,100	73,150	12,027	8,394	12,027	10,636	76,100	76,150	12,667	8,538	12,667	11,324	79,100	79,150	13,307	8,538	13,307	11,970	73,150	73,200	12,038	8,400	12,038	10,647	76,150	76,200	12,678	8,544	12,678	11,335	79,150	79,200	13,318	8,544	13,318	11,981	73,200	73,250	12,049	8,406	12,049	10,658	76,200	76,250	12,689	8,550	12,689	11,346	79,200	79,250	13,329	8,550	13,329	11,992	74,000						77,000						80,000						74,000	74,050	12,225	8,502	12,225	10,834	77,000	77,050	12,865	8,526	12,865	11,478	80,000	80,050	13,505	8,526	13,505	12,124	74,050	74,100	12,236	8,508	12,236	10,845	77,050	77,100	12,876	8,532	12,876	11,489	80,050	80,100	13,516	8,532	13,516	12,135	74,100	74,150	12,247	8,514	12,247	10,856	77,100	77,150	12,887	8,538	12,887	11,500	80,100	80,150	13,527	8,538	13,527	12,146	74,150	74,200	12,258	8,520	12,258	10,867	77,150	77,200	12,898	8,544	12,898	11,511	80,150	80,200	13,538	8,544	13,538	12,157	74,200	74,250	12,269	8,526	12,269	10,878	77,200	77,250	12,909	8,550	12,909	11,522	80,200	80,250	13,549	8,550	13,549	12,168	75,000						78,000						81,000						75,000	75,050	12,425	8,562	12,425	10,944	78,000	78,050	13,065	8,526	13,065	11,622	81,000	81,050	13,705	8,526	13,705	12,468	75,050	75,100	12,436	8,568	12,436	10,955	78,050	78,100	13,076	8,532	13,076	11,633	81,050	81,100	13,716	8,532	13,716	12,479	75,100	75,150	12,447	8,574	12,447	10,966	78,100	78,150	13,087	8,538	13,087	11,644	81,100	81,150	13,727	8,538	13,727	12,490	75,150	75,200	12,458	8,580	12,458	10,977	78,150	78,200	13,098	8,544	13,098	11,655	81,150	81,200	13,738	8,544	13,738	12,501	75,200	75,250	12,469	8,586	12,469	10,988	78,200	78,250	13,109	8,550	13,109	11,666	81,200	81,250	13,749	8,550	13,749	12,512	76,000						79,000						82,000						76,000	76,050	12,645	8,526	12,645	11,302	79,000	79,050	13,285	8,526	13,285	11,948	82,000	82,050	14,385	8,526	14,385	12,814	76,050	76,100	12,656	8,532	12,656	11,313	79,050	79,100	13,296	8,532	13,296	11,959	82,050	82,100	14,396	8,532	14,396	12,825	76,100	76,150	12,667	8,538	12,667	11,324	79,100	79,150	13,307	8,538	13,307	11,970	82,100	82,150	14,407	8,538	14,407	12,836	76,150	76,200	12,678	8,544	12,678	11,335	79,150	79,200	13,318	8,544	13,318	11,981	82,150	82,200	14,418	8,544	14,418	12,847	76,200	76,250	12,689	8,550	12,689	11,346	79,200	79,250	13,329	8,550	13,329	11,992	82,200	82,250	14,429	8,550	14,429	12,858	77,000						80,000						83,000						77,000	77,050	12,865	8,526	12,865	11,478	80,000	80,050	13,505	8,526	13,505	12,124	83,000	83,050	14,605	8,526	14,605																																																																																																																																																																																																																								
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69,000	69,050	11,125	7,902	11,125	9,734	72,000	72,050	11,785	8,262	11,785	10,394	75,000	75,050	12,425	8,562	12,425	10,944	69,050	69,100	11,136	7,908	11,136	9,745	72,050	72,100	11,796	8,268	11,796	10,405	75,050	75,100	12,436	8,568	12,436	10,955	69,100	69,150	11,147	7,914	11,147	9,756	72,100	72,150	11,807	8,274	11,807	10,416	75,100	75,150	12,447	8,574	12,447	10,966	69,150	69,200	11,158	7,920	11,158	9,767	72,150	72,200	11,818	8,280	11,818	10,427	75,150	75,200	12,458	8,580	12,458	10,977	69,200	69,250	11,169	7,926	11,169	9,778	72,200	72,250	11,829	8,286	11,829	10,438	75,200	75,250	12,469	8,586	12,469	10,988	70,000						73,000						76,000						70,000	70,050	11,345	8,022	11,345	9,954	73,000	73,050	12,005	8,382	12,005	10,614	76,000	76,050	12,645	8,526	12,645	11,302	70,050	70,100	11,356	8,028	11,356	9,965	73,050	73,100	12,016	8,388	12,016	10,625	76,050	76,100	12,656	8,532	12,656	11,313	70,100	70,150	11,367	8,034	11,367	9,976	73,100	73,150	12,027	8,394	12,027	10,636	76,100	76,150	12,667	8,538	12,667	11,324	70,150	70,200	11,378	8,040	11,378	9,987	73,150	73,200	12,038	8,400	12,038	10,647	76,150	76,200	12,678	8,544	12,678	11,335	70,200	70,250	11,389	8,046	11,389	9,998	73,200	73,250	12,049	8,406	12,049	10,658	76,200	76,250	12,689	8,550	12,689	11,346	71,000						74,000						77,000						71,000	71,050	11,565	8,142	11,565	10,174	74,000	74,050	12,225	8,502	12,225	10,834	77,000	77,050	12,865	8,526	12,865	11,478	71,050	71,100	11,576	8,148	11,576	10,185	74,050	74,100	12,236	8,508	12,236	10,845	77,050	77,100	12,876	8,532	12,876	11,489	71,100	71,150	11,587	8,154	11,587	10,196	74,100	74,150	12,247	8,514	12,247	10,856	77,100	77,150	12,887	8,538	12,887	11,500	71,150	71,200	11,598	8,160	11,598	10,207	74,150	74,200	12,258	8,520	12,258	10,867	77,150	77,200	12,898	8,544	12,898	11,511	71,200	71,250	11,609	8,166	11,609	10,218	74,200	74,250	12,269	8,526	12,269	10,878	77,200	77,250	12,909	8,550	12,909	11,522	72,000						75,000						78,000						72,000	72,050	11,785	8,262	11,785	10,394	75,000	75,050	12,425	8,562	12,425	10,944	78,000	78,050	13,065	8,526	13,065	11,622	72,050	72,100	11,796	8,268	11,796	10,405	75,050	75,100	12,436	8,568	12,436	10,955	78,050	78,100	13,076	8,532	13,076	11,633	72,100	72,150	11,807	8,274	11,807	10,416	75,100	75,150	12,447	8,574	12,447	10,966	78,100	78,150	13,087	8,538	13,087	11,644	72,150	72,200	11,818	8,280	11,818	10,427	75,150	75,200	12,458	8,580	12,458	10,977	78,150	78,200	13,098	8,544	13,098	11,655	72,200	72,250	11,829	8,286	11,829	10,438	75,200	75,250	12,469	8,586	12,469	10,988	78,200	78,250	13,109	8,550	13,109	11,666	73,000						76,000						79,000						73,000	73,050	12,005	8,382	12,005	10,614	76,000	76,050	12,645	8,526	12,645	11,302	79,000	79,050	13,285	8,526	13,285	11,948	73,050	73,100	12,016	8,388	12,016	10,625	76,050	76,100	12,656	8,532	12,656	11,313	79,050	79,100	13,296	8,532	13,296	11,959	73,100	73,150	12,027	8,394	12,027	10,636	76,100	76,150	12,667	8,538	12,667	11,324	79,100	79,150	13,307	8,538	13,307	11,970	73,150	73,200	12,038	8,400	12,038	10,647	76,150	76,200	12,678	8,544	12,678	11,335	79,150	79,200	13,318	8,544	13,318	11,981	73,200	73,250	12,049	8,406	12,049	10,658	76,200	76,250	12,689	8,550	12,689	11,346	79,200	79,250	13,329	8,550	13,329	11,992	74,000						77,000						80,000						74,000	74,050	12,225	8,502	12,225	10,834	77,000	77,050	12,865	8,526	12,865	11,478	80,000	80,050	13,505	8,526	13,505	12,124	74,050	74,100	12,236	8,508	12,236	10,845	77,050	77,100	12,876	8,532	12,876	11,489	80,050	80,100	13,516	8,532	13,516	12,135	74,100	74,150	12,247	8,514	12,247	10,856	77,100	77,150	12,887	8,538	12,887	11,500	80,100	80,150	13,527	8,538	13,527	12,146	74,150	74,200	12,258	8,520	12,258	10,867	77,150	77,200	12,898	8,544	12,898	11,511	80,150	80,200	13,538	8,544	13,538	12,157	74,200	74,250	12,269	8,526	12,269	10,878	77,200	77,250	12,909	8,550	12,909	11,522	80,200	80,250	13,549	8,550	13,549	12,168	75,000						78,000						81,000						75,000	75,050	12,425	8,562	12,425	10,944	78,000	78,050	13,065	8,526	13,065	11,622	81,000	81,050	13,705	8,526	13,705	12,468	75,050	75,100	12,436	8,568	12,436	10,955	78,050	78,100	13,076	8,532	13,076	11,633	81,050	81,100	13,716	8,532	13,716	12,479	75,100	75,150	12,447	8,574	12,447	10,966	78,100	78,150	13,087	8,538	13,087	11,644	81,100	81,150	13,727	8,538	13,727	12,490	75,150	75,200	12,458	8,580	12,458	10,977	78,150	78,200	13,098	8,544	13,098	11,655	81,150	81,200	13,738	8,544	13,738	12,501	75,200	75,250	12,469	8,586	12,469	10,988	78,200	78,250	13,109	8,550	13,109	11,666	81,200	81,250	13,749	8,550	13,749	12,512	76,000						79,000						82,000						76,000	76,050	12,645	8,526	12,645	11,302	79,000	79,050	13,285	8,526	13,285	11,948	82,000	82,050	14,385	8,526	14,385	12,814	76,050	76,100	12,656	8,532	12,656	11,313	79,050	79,100	13,296	8,532	13,296	11,959	82,050	82,100	14,396	8,532	14,396	12,825	76,100	76,150	12,667	8,538	12,667	11,324	79,100	79,150	13,307	8,538	13,307	11,970	82,100	82,150	14,407	8,538	14,407	12,836	76,150	76,200	12,678	8,544	12,678	11,335	79,150	79,200	13,318	8,544	13,318	11,981	82,150	82,200	14,418	8,544	14,418	12,847	76,200	76,250	12,689	8,550	12,689	11,346	79,200	79,250	13,329	8,550	13,329	11,992	82,200	82,250	14,429	8,550	14,429	12,858	77,000						80,000						83,000						77,000	77,050	12,865	8,526	12,865	11,478	80,000	80,050	13,505	8,526	13,505	12,124	83,000	83,050	14,605	8,526	14,605																																																																																																																																																																																																																																																																																																																																				
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70,000	70,050	11,345	8,022	11,345	9,954	73,000	73,050	12,005	8,382	12,005	10,614	76,000	76,050	12,645	8,526	12,645	11,302	70,050	70,100	11,356	8,028	11,356	9,965	73,050	73,100	12,016	8,388	12,016	10,625	76,050	76,100	12,656	8,532	12,656	11,313	70,100	70,150	11,367	8,034	11,367	9,976	73,100	73,150	12,027	8,394	12,027	10,636	76,100	76,150	12,667	8,538	12,667	11,324	70,150	70,200	11,378	8,040	11,378	9,987	73,150	73,200	12,038	8,400	12,038	10,647	76,150	76,200	12,678	8,544	12,678	11,335	70,200	70,250	11,389	8,046	11,389	9,998	73,200	73,250	12,049	8,406	12,049	10,658	76,200	76,250	12,689	8,550	12,689	11,346	71,000						74,000						77,000						71,000	71,050	11,565	8,142	11,565	10,174	74,000	74,050	12,225	8,502	12,225	10,834	77,000	77,050	12,865	8,526	12,865	11,478	71,050	71,100	11,576	8,148	11,576	10,185	74,050	74,100	12,236	8,508	12,236	10,845	77,050	77,100	12,876	8,532	12,876	11,489	71,100	71,150	11,587	8,154	11,587	10,196	74,100	74,150	12,247	8,514	12,247	10,856	77,100	77,150	12,887	8,538	12,887	11,500	71,150	71,200	11,598	8,160	11,598	10,207	74,150	74,200	12,258	8,520	12,258	10,867	77,150	77,200	12,898	8,544	12,898	11,511	71,200	71,250	11,609	8,166	11,609	10,218	74,200	74,250	12,269	8,526	12,269	10,878	77,200	77,250	12,909	8,550	12,909	11,522	72,000						75,000						78,000						72,000	72,050	11,785	8,262	11,785	10,394	75,000	75,050	12,425	8,562	12,425	10,944	78,000	78,050	13,065	8,526	13,065	11,622	72,050	72,100	11,796	8,268	11,796	10,405	75,050	75,100	12,436	8,568	12,436	10,955	78,050	78,100	13,076	8,532	13,076	11,633	72,100	72,150	11,807	8,274	11,807	10,416	75,100	75,150	12,447	8,574	12,447	10,966	78,100	78,150	13,087	8,538	13,087	11,644	72,150	72,200	11,818	8,280	11,818	10,427	75,150	75,200	12,458	8,580	12,458	10,977	78,150	78,200	13,098	8,544	13,098	11,655	72,200	72,250	11,829	8,286	11,829	10,438	75,200	75,250	12,469	8,586	12,469	10,988	78,200	78,250	13,109	8,550	13,109	11,666	73,000						76,000						79,000						73,000	73,050	12,005	8,382	12,005	10,614	76,000	76,050	12,645	8,526	12,645	11,302	79,000	79,050	13,285	8,526	13,285	11,948	73,050	73,100	12,016	8,388	12,016	10,625	76,050	76,100	12,656	8,532	12,656	11,313	79,050	79,100	13,296	8,532	13,296	11,959	73,100	73,150	12,027	8,394	12,027	10,636	76,100	76,150	12,667	8,538	12,667	11,324	79,100	79,150	13,307	8,538	13,307	11,970	73,150	73,200	12,038	8,400	12,038	10,647	76,150	76,200	12,678	8,544	12,678	11,335	79,150	79,200	13,318	8,544	13,318	11,981	73,200	73,250	12,049	8,406	12,049	10,658	76,200	76,250	12,689	8,550	12,689	11,346	79,200	79,250	13,329	8,550	13,329	11,992	74,000						77,000						80,000						74,000	74,050	12,225	8,502	12,225	10,834	77,000	77,050	12,865	8,526	12,865	11,478	80,000	80,050	13,505	8,526	13,505	12,124	74,050	74,100	12,236	8,508	12,236	10,845	77,050	77,100	12,876	8,532	12,876	11,489	80,050	80,100	13,516	8,532	13,516	12,135	74,100	74,150	12,247	8,514	12,247	10,856	77,100	77,150	12,887	8,538	12,887	11,500	80,100	80,150	13,527	8,538	13,527	12,146	74,150	74,200	12,258	8,520	12,258	10,867	77,150	77,200	12,898	8,544	12,898	11,511	80,150	80,200	13,538	8,544	13,538	12,157	74,200	74,250	12,269	8,526	12,269	10,878	77,200	77,250	12,909	8,550	12,909	11,522	80,200	80,250	13,549	8,550	13,549	12,168	75,000						78,000						81,000						75,000	75,050	12,425	8,562	12,425	10,944	78,000	78,050	13,065	8,526	13,065	11,622	81,000	81,050	13,705	8,526	13,705	12,468	75,050	75,100	12,436	8,568	12,436	10,955	78,050	78,100	13,076	8,532	13,076	11,633	81,050	81,100	13,716	8,532	13,716	12,479	75,100	75,150	12,447	8,574	12,447	10,966	78,100	78,150	13,087	8,538	13,087	11,644	81,100	81,150	13,727	8,538	13,727	12,490	75,150	75,200	12,458	8,580	12,458	10,977	78,150	78,200	13,098	8,544	13,098	11,655	81,150	81,200	13,738	8,544	13,738	12,501	75,200	75,250	12,469	8,586	12,469	10,988	78,200	78,250	13,109	8,550	13,109	11,666	81,200	81,250	13,749	8,550	13,749	12,512	76,000						79,000						82,000						76,000	76,050	12,645	8,526	12,645	11,302	79,000	79,050	13,285	8,526	13,285	11,948	82,000	82,050	14,385	8,526	14,385	12,814	76,050	76,100	12,656	8,532	12,656	11,313	79,050	79,100	13,296	8,532	13,296	11,959	82,050	82,100	14,396	8,532	14,396	12,825	76,100	76,150	12,667	8,538	12,667	11,324	79,100	79,150	13,307	8,538	13,307	11,970	82,100	82,150	14,407	8,538	14,407	12,836	76,150	76,200	12,678	8,544	12,678	11,335	79,150	79,200	13,318	8,544	13,318	11,981	82,150	82,200	14,418	8,544	14,418	12,847	76,200	76,250	12,689	8,550	12,689	11,346	79,200	79,250	13,329	8,550	13,329	11,992	82,200	82,250	14,429	8,550	14,429	12,858	77,000						80,000						83,000						77,000	77,050	12,865	8,526	12,865	11,478	80,000	80,050	13,505	8,526	13,505	12,124	83,000	83,050	14,605	8,526	14,605																																																																																																																																																																																																																																																																																																																																													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71,000	71,050	11,565	8,142	11,565	10,174	74,000	74,050	12,225	8,502	12,225	10,834	77,000	77,050	12,865	8,526	12,865	11,478	71,050	71,100	11,576	8,148	11,576	10,185	74,050	74,100	12,236	8,508	12,236	10,845	77,050	77,100	12,876	8,532	12,876	11,489	71,100	71,150	11,587	8,154	11,587	10,196	74,100	74,150	12,247	8,514	12,247	10,856	77,100	77,150	12,887	8,538	12,887	11,500	71,150	71,200	11,598	8,160	11,598	10,207	74,150	74,200	12,258	8,520	12,258	10,867	77,150	77,200	12,898	8,544	12,898	11,511	71,200	71,250	11,609	8,166	11,609	10,218	74,200	74,250	12,269	8,526	12,269	10,878	77,200	77,250	12,909	8,550	12,909	11,522	72,000						75,000						78,000						72,000	72,050	11,785	8,262	11,785	10,394	75,000	75,050	12,425	8,562	12,425	10,944	78,000	78,050	13,065	8,526	13,065	11,622	72,050	72,100	11,796	8,268	11,796	10,405	75,050	75,100	12,436	8,568	12,436	10,955	78,050	78,100	13,076	8,532	13,076	11,633	72,100	72,150	11,807	8,274	11,807	10,416	75,100	75,150	12,447	8,574	12,447	10,966	78,100	78,150	13,087	8,538	13,087	11,644	72,150	72,200	11,818	8,280	11,818	10,427	75,150	75,200	12,458	8,580	12,458	10,977	78,150	78,200	13,098	8,544	13,098	11,655	72,200	72,250	11,829	8,286	11,829	10,438	75,200	75,250	12,469	8,586	12,469	10,988	78,200	78,250	13,109	8,550	13,109	11,666	73,000						76,000						79,000						73,000	73,050	12,005	8,382	12,005	10,614	76,000	76,050	12,645	8,526	12,645	11,302	79,000	79,050	13,285	8,526	13,285	11,948	73,050	73,100	12,016	8,388	12,016	10,625	76,050	76,100	12,656	8,532	12,656	11,313	79,050	79,100	13,296	8,532	13,296	11,959	73,100	73,150	12,027	8,394	12,027	10,636	76,100	76,150	12,667	8,538	12,667	11,324	79,100	79,150	13,307	8,538	13,307	11,970	73,150	73,200	12,038	8,400	12,038	10,647	76,150	76,200	12,678	8,544	12,678	11,335	79,150	79,200	13,318	8,544	13,318	11,981	73,200	73,250	12,049	8,406	12,049	10,658	76,200	76,250	12,689	8,550	12,689	11,346	79,200	79,250	13,329	8,550	13,329	11,992	74,000						77,000						80,000						74,000	74,050	12,225	8,502	12,225	10,834	77,000	77,050	12,865	8,526	12,865	11,478	80,000	80,050	13,505	8,526	13,505	12,124	74,050	74,100	12,236	8,508	12,236	10,845	77,050	77,100	12,876	8,532	12,876	11,489	80,050	80,100	13,516	8,532	13,516	12,135	74,100	74,150	12,247	8,514	12,247	10,856	77,100	77,150	12,887	8,538	12,887	11,500	80,100	80,150	13,527	8,538	13,527	12,146	74,150	74,200	12,258	8,520	12,258	10,867	77,150	77,200	12,898	8,544	12,898	11,511	80,150	80,200	13,538	8,544	13,538	12,157	74,200	74,250	12,269	8,526	12,269	10,878	77,200	77,250	12,909	8,550	12,909	11,522	80,200	80,250	13,549	8,550	13,549	12,168	75,000						78,000						81,000						75,000	75,050	12,425	8,562	12,425	10,944	78,000	78,050	13,065	8,526	13,065	11,622	81,000	81,050	13,705	8,526	13,705	12,468	75,050	75,100	12,436	8,568	12,436	10,955	78,050	78,100	13,076	8,532	13,076	11,633	81,050	81,100	13,716	8,532	13,716	12,479	75,100	75,150	12,447	8,574	12,447	10,966	78,100	78,150	13,087	8,538	13,087	11,644	81,100	81,150	13,727	8,538	13,727	12,490	75,150	75,200	12,458	8,580	12,458	10,977	78,150	78,200	13,098	8,544	13,098	11,655	81,150	81,200	13,738	8,544	13,738	12,501	75,200	75,250	12,469	8,586	12,469	10,988	78,200	78,250	13,109	8,550	13,109	11,666	81,200	81,250	13,749	8,550	13,749	12,512	76,000						79,000						82,000						76,000	76,050	12,645	8,526	12,645	11,302	79,000	79,050	13,285	8,526	13,285	11,948	82,000	82,050	14,385	8,526	14,385	12,814	76,050	76,100	12,656	8,532	12,656	11,313	79,050	79,100	13,296	8,532	13,296	11,959	82,050	82,100	14,396	8,532	14,396	12,825	76,100	76,150	12,667	8,538	12,667	11,324	79,100	79,150	13,307	8,538	13,307	11,970	82,100	82,150	14,407	8,538	14,407	12,836	76,150	76,200	12,678	8,544	12,678	11,335	79,150	79,200	13,318	8,544	13,318	11,981	82,150	82,200	14,418	8,544	14,418	12,847	76,200	76,250	12,689	8,550	12,689	11,346	79,200	79,250	13,329	8,550	13,329	11,992	82,200	82,250	14,429	8,550	14,429	12,858	77,000						80,000						83,000						77,000	77,050	12,865	8,526	12,865	11,478	80,000	80,050	13,505	8,526	13,505	12,124	83,000	83,050	14,605	8,526	14,605																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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72,000	72,050	11,785	8,262	11,785	10,394	75,000	75,050	12,425	8,562	12,425	10,944	78,000	78,050	13,065	8,526	13,065	11,622	72,050	72,100	11,796	8,268	11,796	10,405	75,050	75,100	12,436	8,568	12,436	10,955	78,050	78,100	13,076	8,532	13,076	11,633	72,100	72,150	11,807	8,274	11,807	10,416	75,100	75,150	12,447	8,574	12,447	10,966	78,100	78,150	13,087	8,538	13,087	11,644	72,150	72,200	11,818	8,280	11,818	10,427	75,150	75,200	12,458	8,580	12,458	10,977	78,150	78,200	13,098	8,544	13,098	11,655	72,200	72,250	11,829	8,286	11,829	10,438	75,200	75,250	12,469	8,586	12,469	10,988	78,200	78,250	13,109	8,550	13,109	11,666	73,000						76,000						79,000						73,000	73,050	12,005	8,382	12,005	10,614	76,000	76,050	12,645	8,526	12,645	11,302	79,000	79,050	13,285	8,526	13,285	11,948	73,050	73,100	12,016	8,388	12,016	10,625	76,050	76,100	12,656	8,532	12,656	11,313	79,050	79,100	13,296	8,532	13,296	11,959	73,100	73,150	12,027	8,394	12,027	10,636	76,100	76,150	12,667	8,538	12,667	11,324	79,100	79,150	13,307	8,538	13,307	11,970	73,150	73,200	12,038	8,400	12,038	10,647	76,150	76,200	12,678	8,544	12,678	11,335	79,150	79,200	13,318	8,544	13,318	11,981	73,200	73,250	12,049	8,406	12,049	10,658	76,200	76,250	12,689	8,550	12,689	11,346	79,200	79,250	13,329	8,550	13,329	11,992	74,000						77,000						80,000						74,000	74,050	12,225	8,502	12,225	10,834	77,000	77,050	12,865	8,526	12,865	11,478	80,000	80,050	13,505	8,526	13,505	12,124	74,050	74,100	12,236	8,508	12,236	10,845	77,050	77,100	12,876	8,532	12,876	11,489	80,050	80,100	13,516	8,532	13,516	12,135	74,100	74,150	12,247	8,514	12,247	10,856	77,100	77,150	12,887	8,538	12,887	11,500	80,100	80,150	13,527	8,538	13,527	12,146	74,150	74,200	12,258	8,520	12,258	10,867	77,150	77,200	12,898	8,544	12,898	11,511	80,150	80,200	13,538	8,544	13,538	12,157	74,200	74,250	12,269	8,526	12,269	10,878	77,200	77,250	12,909	8,550	12,909	11,522	80,200	80,250	13,549	8,550	13,549	12,168	75,000						78,000						81,000						75,000	75,050	12,425	8,562	12,425	10,944	78,000	78,050	13,065	8,526	13,065	11,622	81,000	81,050	13,705	8,526	13,705	12,468	75,050	75,100	12,436	8,568	12,436	10,955	78,050	78,100	13,076	8,532	13,076	11,633	81,050	81,100	13,716	8,532	13,716	12,479	75,100	75,150	12,447	8,574	12,447	10,966	78,100	78,150	13,087	8,538	13,087	11,644	81,100	81,150	13,727	8,538	13,727	12,490	75,150	75,200	12,458	8,580	12,458	10,977	78,150	78,200	13,098	8,544	13,098	11,655	81,150	81,200	13,738	8,544	13,738	12,501	75,200	75,250	12,469	8,586	12,469	10,988	78,200	78,250	13,109	8,550	13,109	11,666	81,200	81,250	13,749	8,550	13,749	12,512	76,000						79,000						82,000						76,000	76,050	12,645	8,526	12,645	11,302	79,000	79,050	13,285	8,526	13,285	11,948	82,000	82,050	14,385	8,526	14,385	12,814	76,050	76,100	12,656	8,532	12,656	11,313	79,050	79,100	13,296	8,532	13,296	11,959	82,050	82,100	14,396	8,532	14,396	12,825	76,100	76,150	12,667	8,538	12,667	11,324	79,100	79,150	13,307	8,538	13,307	11,970	82,100	82,150	14,407	8,538	14,407	12,836	76,150	76,200	12,678	8,544	12,678	11,335	79,150	79,200	13,318	8,544	13,318	11,981	82,150	82,200	14,418	8,544	14,418	12,847	76,200	76,250	12,689	8,550	12,689	11,346	79,200	79,250	13,329	8,550	13,329	11,992	82,200	82,250	14,429	8,550	14,429	12,858	77,000						80,000						83,000						77,000	77,050	12,865	8,526	12,865	11,478	80,000	80,050	13,505	8,526	13,505	12,124	83,000	83,050	14,605	8,526	14,605																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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73,000	73,050	12,005	8,382	12,005	10,614	76,000	76,050	12,645	8,526	12,645	11,302	79,000	79,050	13,285	8,526	13,285	11,948	73,050	73,100	12,016	8,388	12,016	10,625	76,050	76,100	12,656	8,532	12,656	11,313	79,050	79,100	13,296	8,532	13,296	11,959	73,100	73,150	12,027	8,394	12,027	10,636	76,100	76,150	12,667	8,538	12,667	11,324	79,100	79,150	13,307	8,538	13,307	11,970	73,150	73,200	12,038	8,400	12,038	10,647	76,150	76,200	12,678	8,544	12,678	11,335	79,150	79,200	13,318	8,544	13,318	11,981	73,200	73,250	12,049	8,406	12,049	10,658	76,200	76,250	12,689	8,550	12,689	11,346	79,200	79,250	13,329	8,550	13,329	11,992	74,000						77,000						80,000						74,000	74,050	12,225	8,502	12,225	10,834	77,000	77,050	12,865	8,526	12,865	11,478	80,000	80,050	13,505	8,526	13,505	12,124	74,050	74,100	12,236	8,508	12,236	10,845	77,050	77,100	12,876	8,532	12,876	11,489	80,050	80,100	13,516	8,532	13,516	12,135	74,100	74,150	12,247	8,514	12,247	10,856	77,100	77,150	12,887	8,538	12,887	11,500	80,100	80,150	13,527	8,538	13,527	12,146	74,150	74,200	12,258	8,520	12,258	10,867	77,150	77,200	12,898	8,544	12,898	11,511	80,150	80,200	13,538	8,544	13,538	12,157	74,200	74,250	12,269	8,526	12,269	10,878	77,200	77,250	12,909	8,550	12,909	11,522	80,200	80,250	13,549	8,550	13,549	12,168	75,000						78,000						81,000						75,000	75,050	12,425	8,562	12,425	10,944	78,000	78,050	13,065	8,526	13,065	11,622	81,000	81,050	13,705	8,526	13,705	12,468	75,050	75,100	12,436	8,568	12,436	10,955	78,050	78,100	13,076	8,532	13,076	11,633	81,050	81,100	13,716	8,532	13,716	12,479	75,100	75,150	12,447	8,574	12,447	10,966	78,100	78,150	13,087	8,538	13,087	11,644	81,100	81,150	13,727	8,538	13,727	12,490	75,150	75,200	12,458	8,580	12,458	10,977	78,150	78,200	13,098	8,544	13,098	11,655	81,150	81,200	13,738	8,544	13,738	12,501	75,200	75,250	12,469	8,586	12,469	10,988	78,200	78,250	13,109	8,550	13,109	11,666	81,200	81,250	13,749	8,550	13,749	12,512	76,000						79,000						82,000						76,000	76,050	12,645	8,526	12,645	11,302	79,000	79,050	13,285	8,526	13,285	11,948	82,000	82,050	14,385	8,526	14,385	12,814	76,050	76,100	12,656	8,532	12,656	11,313	79,050	79,100	13,296	8,532	13,296	11,959	82,050	82,100	14,396	8,532	14,396	12,825	76,100	76,150	12,667	8,538	12,667	11,324	79,100	79,150	13,307	8,538	13,307	11,970	82,100	82,150	14,407	8,538	14,407	12,836	76,150	76,200	12,678	8,544	12,678	11,335	79,150	79,200	13,318	8,544	13,318	11,981	82,150	82,200	14,418	8,544	14,418	12,847	76,200	76,250	12,689	8,550	12,689	11,346	79,200	79,250	13,329	8,550	13,329	11,992	82,200	82,250	14,429	8,550	14,429	12,858	77,000						80,000						83,000						77,000	77,050	12,865	8,526	12,865	11,478	80,000	80,050	13,505	8,526	13,505	12,124	83,000	83,050	14,605	8,526	14,605																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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74,000	74,050	12,225	8,502	12,225	10,834	77,000	77,050	12,865	8,526	12,865	11,478	80,000	80,050	13,505	8,526	13,505	12,124	74,050	74,100	12,236	8,508	12,236	10,845	77,050	77,100	12,876	8,532	12,876	11,489	80,050	80,100	13,516	8,532	13,516	12,135	74,100	74,150	12,247	8,514	12,247	10,856	77,100	77,150	12,887	8,538	12,887	11,500	80,100	80,150	13,527	8,538	13,527	12,146	74,150	74,200	12,258	8,520	12,258	10,867	77,150	77,200	12,898	8,544	12,898	11,511	80,150	80,200	13,538	8,544	13,538	12,157	74,200	74,250	12,269	8,526	12,269	10,878	77,200	77,250	12,909	8,550	12,909	11,522	80,200	80,250	13,549	8,550	13,549	12,168	75,000						78,000						81,000						75,000	75,050	12,425	8,562	12,425	10,944	78,000	78,050	13,065	8,526	13,065	11,622	81,000	81,050	13,705	8,526	13,705	12,468	75,050	75,100	12,436	8,568	12,436	10,955	78,050	78,100	13,076	8,532	13,076	11,633	81,050	81,100	13,716	8,532	13,716	12,479	75,100	75,150	12,447	8,574	12,447	10,966	78,100	78,150	13,087	8,538	13,087	11,644	81,100	81,150	13,727	8,538	13,727	12,490	75,150	75,200	12,458	8,580	12,458	10,977	78,150	78,200	13,098	8,544	13,098	11,655	81,150	81,200	13,738	8,544	13,738	12,501	75,200	75,250	12,469	8,586	12,469	10,988	78,200	78,250	13,109	8,550	13,109	11,666	81,200	81,250	13,749	8,550	13,749	12,512	76,000						79,000						82,000						76,000	76,050	12,645	8,526	12,645	11,302	79,000	79,050	13,285	8,526	13,285	11,948	82,000	82,050	14,385	8,526	14,385	12,814	76,050	76,100	12,656	8,532	12,656	11,313	79,050	79,100	13,296	8,532	13,296	11,959	82,050	82,100	14,396	8,532	14,396	12,825	76,100	76,150	12,667	8,538	12,667	11,324	79,100	79,150	13,307	8,538	13,307	11,970	82,100	82,150	14,407	8,538	14,407	12,836	76,150	76,200	12,678	8,544	12,678	11,335	79,150	79,200	13,318	8,544	13,318	11,981	82,150	82,200	14,418	8,544	14,418	12,847	76,200	76,250	12,689	8,550	12,689	11,346	79,200	79,250	13,329	8,550	13,329	11,992	82,200	82,250	14,429	8,550	14,429	12,858	77,000						80,000						83,000						77,000	77,050	12,865	8,526	12,865	11,478	80,000	80,050	13,505	8,526	13,505	12,124	83,000	83,050	14,605	8,526	14,605																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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75,000	75,050	12,425	8,562	12,425	10,944	78,000	78,050	13,065	8,526	13,065	11,622	81,000	81,050	13,705	8,526	13,705	12,468	75,050	75,100	12,436	8,568	12,436	10,955	78,050	78,100	13,076	8,532	13,076	11,633	81,050	81,100	13,716	8,532	13,716	12,479	75,100	75,150	12,447	8,574	12,447	10,966	78,100	78,150	13,087	8,538	13,087	11,644	81,100	81,150	13,727	8,538	13,727	12,490	75,150	75,200	12,458	8,580	12,458	10,977	78,150	78,200	13,098	8,544	13,098	11,655	81,150	81,200	13,738	8,544	13,738	12,501	75,200	75,250	12,469	8,586	12,469	10,988	78,200	78,250	13,109	8,550	13,109	11,666	81,200	81,250	13,749	8,550	13,749	12,512	76,000						79,000						82,000						76,000	76,050	12,645	8,526	12,645	11,302	79,000	79,050	13,285	8,526	13,285	11,948	82,000	82,050	14,385	8,526	14,385	12,814	76,050	76,100	12,656	8,532	12,656	11,313	79,050	79,100	13,296	8,532	13,296	11,959	82,050	82,100	14,396	8,532	14,396	12,825	76,100	76,150	12,667	8,538	12,667	11,324	79,100	79,150	13,307	8,538	13,307	11,970	82,100	82,150	14,407	8,538	14,407	12,836	76,150	76,200	12,678	8,544	12,678	11,335	79,150	79,200	13,318	8,544	13,318	11,981	82,150	82,200	14,418	8,544	14,418	12,847	76,200	76,250	12,689	8,550	12,689	11,346	79,200	79,250	13,329	8,550	13,329	11,992	82,200	82,250	14,429	8,550	14,429	12,858	77,000						80,000						83,000						77,000	77,050	12,865	8,526	12,865	11,478	80,000	80,050	13,505	8,526	13,505	12,124	83,000	83,050	14,605	8,526	14,605																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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76,000	76,050	12,645	8,526	12,645	11,302	79,000	79,050	13,285	8,526	13,285	11,948	82,000	82,050	14,385	8,526	14,385	12,814	76,050	76,100	12,656	8,532	12,656	11,313	79,050	79,100	13,296	8,532	13,296	11,959	82,050	82,100	14,396	8,532	14,396	12,825	76,100	76,150	12,667	8,538	12,667	11,324	79,100	79,150	13,307	8,538	13,307	11,970	82,100	82,150	14,407	8,538	14,407	12,836	76,150	76,200	12,678	8,544	12,678	11,335	79,150	79,200	13,318	8,544	13,318	11,981	82,150	82,200	14,418	8,544	14,418	12,847	76,200	76,250	12,689	8,550	12,689	11,346	79,200	79,250	13,329	8,550	13,329	11,992	82,200	82,250	14,429	8,550	14,429	12,858	77,000						80,000						83,000						77,000	77,050	12,865	8,526	12,865	11,478	80,000	80,050	13,505	8,526	13,505	12,124	83,000	83,050	14,605	8,526	14,605																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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77,000	77,050	12,865	8,526	12,865	11,478	80,000	80,050	13,505	8,526	13,505	12,124	83,000	83,050	14,605	8,526	14,605																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

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75,000	75,050	12,445	8,622	12,445	11,054	78,000	78,050	13,105	9,045	13,105	11,714	81,000	81,050	13,765	9,705	13,765	12,374	75,050	75,100	12,456	8,628	12,456	11,065	78,050	78,100	13,116	9,056	13,116	11,725	81,050	81,100	13,776	9,716	13,776	12,385	75,100	75,150	12,467	8,634	12,467	11,076	78,100	78,150	13,127	9,067	13,127	11,736	81,100	81,150	13,787	9,727	13,787	12,396	75,150	75,200	12,478	8,640	12,478	11,087	78,150	78,200	13,138	9,078	13,138	11,747	81,150	81,200	13,798	9,738	13,798	12,407	75,200	75,250	12,489	8,646	12,489	11,098	78,200	78,250	13,149	9,089	13,149	11,758	81,200	81,250	13,809	9,749	13,809	12,418	76,000						79,000						82,000						76,000	76,050	12,665	8,742	12,665	11,274	79,000	79,050	13,325	9,265	13,325	11,934	82,000	82,050	13,985	9,925	13,985	12,594	76,050	76,100	12,676	8,748	12,676	11,285	79,050	79,100	13,336	9,276	13,336	11,945	82,050	82,100	13,996	9,936	13,996	12,605	76,100	76,150	12,687	8,754	12,687	11,296	79,100	79,150	13,347	9,287	13,347	11,956	82,100	82,150	14,007	9,947	14,007	12,616	76,150	76,200	12,698	8,760	12,698	11,307	79,150	79,200	13,358	9,298	13,358	11,967	82,150	82,200	14,018	9,958	14,018	12,627	76,200	76,250	12,709	8,766	12,709	11,318	79,200	79,250	13,369	9,309	13,369	11,978	82,200	82,250	14,029	9,969	14,029	12,638	77,000						80,000						83,000						77,000	77,050	12,885	8,862	12,885	11,494	80,000	80,050	13,545	9,485	13,545	12,154	83,000	83,050	14,216	10,145	14,216	12,824	77,050	77,100	12,896	8,868	12,896	11,505	80,050	80,100	13,556	9,496	13,556	12,165	83,050	83,100	14,228	10,156	14,228	12,836	77,100	77,150	12,907	8,874	12,907	11,516	80,100	80,150	13,567	9,507	13,567	12,176	83,100	83,150	14,240	10,167	14,240	12,848	77,150	77,200	12,918	8,880	12,918	11,527	80,150	80,200	13,578	9,518	13,578	12,187	83,150	83,200	14,252	10,178	14,252	12,860	77,200	77,250	12,929	8,886	12,929	11,538	80,200	80,250	13,589	9,529	13,589	12,198	83,200	83,250	14,264	10,189	14,264	12,872	78,000						81,000						84,000						78,000	78,050	13,105	9,045	13,105	11,714	81,000	81,050	13,765	9,705	13,765	12,374	84,000	84,050	14,916	10,845	14,916	13,484	78,050	78,100	13,116	9,056	13,116	11,725	81,050	81,100	13,776	9,716	13,776	12,385	84,050	84,100	14,928	10,856	14,928	13,496	78,100	78,150	13,127	9,067	13,127	11,736	81,100	81,150	13,787	9,727	13,787	12,396	84,100	84,150	14,940	10,867	14,940	13,508	78,150	78,200	13,138	9,078	13,138	11,747	81,150	81,200	13,798	9,738	13,798	12,407	84,150	84,200	14,952	10,878	14,952	13,520	78,200	78,250	13,149	9,089	13,149	11,758	81,200	81,250	13,809	9,749	13,809	12,418	84,200	84,250	14,964	10,889	14,964	13,532	79,000						82,000						85,000						79,000	79,050	13,325	9,265	13,325	11,934	82,000	82,050	13,985	9,925	13,985	12,594	85,000	85,050	15,116	10,945	15,116	14,244	79,050	79,100	13,336	9,276	13,336	11,945	82,050	82,100	13,996	9,936	13,996	12,605	85,050	85,100	15,128	10,956	15,128	14,256	79,100	79,150	13,347	9,287	13,347	11,956	82,100	82,150	14,007	9,947	14,007	12,616	85,100	85,150	15,140	10,967	15,140	14,268	79,150	79,200	13,358	9,298	13,358	11,967	82,150	82,200	14,018	9,958	14,018	12,627	85,150	85,200	15,152	10,978	15,152	14,280	79,200	79,250	13,369	9,309	13,369	11,978	82,200	82,250	14,029	9,969	14,029	12,638	85,200	85,250	15,164	10,989	15,164	14,292	80,000						83,000						86,000						80,000	80,050	13,545	9,485	13,545	12,154	83,000	83,050	14,216	10,145	14,216	12,824	86,000	86,050	16,246	11,945	16,246	15,484	80,050	80,100	13,556	9,496	13,556	12,165	83,050	83,100	14,228	10,156	14,228	12,836	86,050	86,100	16,258	11,956	16,258	15,496	80,100	80,150	13,567	9,507	13,567	12,176	83,100	83,150	14,240	10,167	14,240	12,848	86,100	86,150	16,270	11,967	16,270	15,508	80,150	80,200	13,578	9,518	13,578	12,187	83,150	83,200	14,252	10,178	14,252	12,860	86,150	86,200	16,282	11,978	16,282	15,520	80,200	80,250	13,589	9,529	13,589	12,198	83,200	83,250	14,264	10,189	14,264	12,872	86,200	86,250	16,294	11,989	16,294	15,532	81,000						84,000						87,000						81,000	81,050	13,765	9,705	13,765	12,374	84,000	84,050	14,916	10,845	14,916	13,484	87,000	87,050	17,246	12,945	17,246	16,144	81,050	81,100	13,776	9,716	13,776	12,385	84,050	84,100	14,928	10,856	14,928	13,496	87,050	87,100	17,258	12,956	17,258	16,156	81,100	81,150	13,787	9,727	13,787	12,396	84,100	84,150	14,940	10,867	14,940	13,508	87,100	87,150	17,270	12,967	17,270	16,168	81,150	81,200	13,798	9,738	13,798	12,407	84,150	84,200	14,952	10,878	14,952	13,520	87,150	87,200	17,282	12,978	17,282	16,180	81,200	81,250	13,809	9,749	13,809	12,418	84,200	84,250	14,964	10,889	14,964	13,532	87,200	87,250	17,294	12,989	17,294	16,192	82,000						85,000						88,000						82,000	82,050	13,985	9,925	13,985	12,594	85,000	85,050	15,116	10,945	15,116	14,244	88,000	88,050	18,546	13,945	18,546	17,244	82,050	82,100	13,996	9,936	13,996	12,605	85,050	85,100	15,128	10,956	15,128	14,256	88,050	88,100	18,558	13,956	18,558	17,256	82,100	82,150	14,007	9,947	14,007	12,616	85,100	85,150	15,140	10,967	15,140	14,268	88,100	88,150	18,570	13,967	18,570	17,268	82,150	82,200	14,018	9,958	14,018	12,627	85,150	85,200	15,152	10,978	15,152	14,280	88,150	88,200	18,582	13,978	18,582	17,280	82,200	82,250	14,029	9,969	14,029	12,638	85,200	85,250	15,164	10,989	15,164	14,292	88,200	88,250	18,594	13,989	18,594	17,292	83,000						86,000						89,000						83,000	83,050	14,216	10,145	14,216	12,824	86,000	86,050	16,246	11,945	16,246	15,484	89,000	89,050	19,676	14,945	19,676	18,244	83,050	83,100	14,228	10,156	14,228	12,836	86,050	86,100	16,258	11,956	16,258	15,496	89,050	89,100	19,688	14,956	19,688	18,256	83,100	83,150	14,240	10,167	14,240	12,848	86,100	86,150	16,270	11,967	16,270	15,508	89,100	89,150	19,700	14,967	19,700	18,268	83,150	83,200	14,252	10,178	14,252	12,860	86,150	86,200	16,282	11,978	16,282	15,520	89,150	89,200	19,712	14,978	19,712	18,280	83,200	83,250	14,264	10,189	14,264	12,872	86,200	86,250	16,294	11,989	16,294	15,532	89,200	89,250	19,724	14,989	19,724	18,292	84,000						87,000						90,000						84,000	84,050	14,916	10,845	14,916	13,484	87,000	87,050	17,246	12,945	17,246	16,144	90,000	90,050	21,076	15,945	21,076	19,244	84,050	84,100	14,928	10,856	14,928	13,496	87,050	87,100	17,258	12,956	17,258	16,156	90,050	90,100	21,088	15,956	21,088	19,256	84,100	84,150	14,940	10,867	14,940	13,508	87,100	87,150	17,270	12,967	17,270	16,168	90,100	90,150	21,100	15,967	21,100	19,268	84,150	84,200	14,952	10,878	14,952	13,520	87,150	87,200	17,282	12,978	17,282	16,180	90,150	90,200	21,112	15,978	21,112	19,280	84,200	84,250	14,964	10,889	14,964	13,532	87,200	87,250	17,294	12,989	17,294	16,192	90,200	90,250	21,124	15,989	21,124	19,292	85,000						88,000						91,000						85,000	85,050	15,116	10,945	15,116	14,244	88,000	88,050	18,546	13,945	18,546	17,244	91,000	91,050	22,976	16,945	22,976	20,244	85,050	85,100	15,128	10,956	15,128	14,256	88,050	88,100	18,558	13,956	18,558	17,256	91,050	91,100	22,988	16,956	22,988	20,256	85,100	85,150	15,140	10,967	15,140	14,268	88,100	88,150	18,570	13,967	18,570	17,268	91,100	91,150	22,100	16,967	22,100	20,268	85,150	85,200	15,152	10,978	15,152	14,280	88,150	88,200	18,582	13,978	18,582	17,280	91,150	91,200	22,112	16,978	22,112	20,280	85,200	85,250	15,164	10,989	15,164	14,292	88,200	88,250	18,594	13,989	18,594	17,292	91,200	91,250	22,124	16,989	22,124	20,292	86,000						89,000						92,000					
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76,000	76,050	12,665	8,742	12,665	11,274	79,000	79,050	13,325	9,265	13,325	11,934	82,000	82,050	13,985	9,925	13,985	12,594	76,050	76,100	12,676	8,748	12,676	11,285	79,050	79,100	13,336	9,276	13,336	11,945	82,050	82,100	13,996	9,936	13,996	12,605	76,100	76,150	12,687	8,754	12,687	11,296	79,100	79,150	13,347	9,287	13,347	11,956	82,100	82,150	14,007	9,947	14,007	12,616	76,150	76,200	12,698	8,760	12,698	11,307	79,150	79,200	13,358	9,298	13,358	11,967	82,150	82,200	14,018	9,958	14,018	12,627	76,200	76,250	12,709	8,766	12,709	11,318	79,200	79,250	13,369	9,309	13,369	11,978	82,200	82,250	14,029	9,969	14,029	12,638	77,000						80,000						83,000						77,000	77,050	12,885	8,862	12,885	11,494	80,000	80,050	13,545	9,485	13,545	12,154	83,000	83,050	14,216	10,145	14,216	12,824	77,050	77,100	12,896	8,868	12,896	11,505	80,050	80,100	13,556	9,496	13,556	12,165	83,050	83,100	14,228	10,156	14,228	12,836	77,100	77,150	12,907	8,874	12,907	11,516	80,100	80,150	13,567	9,507	13,567	12,176	83,100	83,150	14,240	10,167	14,240	12,848	77,150	77,200	12,918	8,880	12,918	11,527	80,150	80,200	13,578	9,518	13,578	12,187	83,150	83,200	14,252	10,178	14,252	12,860	77,200	77,250	12,929	8,886	12,929	11,538	80,200	80,250	13,589	9,529	13,589	12,198	83,200	83,250	14,264	10,189	14,264	12,872	78,000						81,000						84,000						78,000	78,050	13,105	9,045	13,105	11,714	81,000	81,050	13,765	9,705	13,765	12,374	84,000	84,050	14,916	10,845	14,916	13,484	78,050	78,100	13,116	9,056	13,116	11,725	81,050	81,100	13,776	9,716	13,776	12,385	84,050	84,100	14,928	10,856	14,928	13,496	78,100	78,150	13,127	9,067	13,127	11,736	81,100	81,150	13,787	9,727	13,787	12,396	84,100	84,150	14,940	10,867	14,940	13,508	78,150	78,200	13,138	9,078	13,138	11,747	81,150	81,200	13,798	9,738	13,798	12,407	84,150	84,200	14,952	10,878	14,952	13,520	78,200	78,250	13,149	9,089	13,149	11,758	81,200	81,250	13,809	9,749	13,809	12,418	84,200	84,250	14,964	10,889	14,964	13,532	79,000						82,000						85,000						79,000	79,050	13,325	9,265	13,325	11,934	82,000	82,050	13,985	9,925	13,985	12,594	85,000	85,050	15,116	10,945	15,116	14,244	79,050	79,100	13,336	9,276	13,336	11,945	82,050	82,100	13,996	9,936	13,996	12,605	85,050	85,100	15,128	10,956	15,128	14,256	79,100	79,150	13,347	9,287	13,347	11,956	82,100	82,150	14,007	9,947	14,007	12,616	85,100	85,150	15,140	10,967	15,140	14,268	79,150	79,200	13,358	9,298	13,358	11,967	82,150	82,200	14,018	9,958	14,018	12,627	85,150	85,200	15,152	10,978	15,152	14,280	79,200	79,250	13,369	9,309	13,369	11,978	82,200	82,250	14,029	9,969	14,029	12,638	85,200	85,250	15,164	10,989	15,164	14,292	80,000						83,000						86,000						80,000	80,050	13,545	9,485	13,545	12,154	83,000	83,050	14,216	10,145	14,216	12,824	86,000	86,050	16,246	11,945	16,246	15,484	80,050	80,100	13,556	9,496	13,556	12,165	83,050	83,100	14,228	10,156	14,228	12,836	86,050	86,100	16,258	11,956	16,258	15,496	80,100	80,150	13,567	9,507	13,567	12,176	83,100	83,150	14,240	10,167	14,240	12,848	86,100	86,150	16,270	11,967	16,270	15,508	80,150	80,200	13,578	9,518	13,578	12,187	83,150	83,200	14,252	10,178	14,252	12,860	86,150	86,200	16,282	11,978	16,282	15,520	80,200	80,250	13,589	9,529	13,589	12,198	83,200	83,250	14,264	10,189	14,264	12,872	86,200	86,250	16,294	11,989	16,294	15,532	81,000						84,000						87,000						81,000	81,050	13,765	9,705	13,765	12,374	84,000	84,050	14,916	10,845	14,916	13,484	87,000	87,050	17,246	12,945	17,246	16,144	81,050	81,100	13,776	9,716	13,776	12,385	84,050	84,100	14,928	10,856	14,928	13,496	87,050	87,100	17,258	12,956	17,258	16,156	81,100	81,150	13,787	9,727	13,787	12,396	84,100	84,150	14,940	10,867	14,940	13,508	87,100	87,150	17,270	12,967	17,270	16,168	81,150	81,200	13,798	9,738	13,798	12,407	84,150	84,200	14,952	10,878	14,952	13,520	87,150	87,200	17,282	12,978	17,282	16,180	81,200	81,250	13,809	9,749	13,809	12,418	84,200	84,250	14,964	10,889	14,964	13,532	87,200	87,250	17,294	12,989	17,294	16,192	82,000						85,000						88,000						82,000	82,050	13,985	9,925	13,985	12,594	85,000	85,050	15,116	10,945	15,116	14,244	88,000	88,050	18,546	13,945	18,546	17,244	82,050	82,100	13,996	9,936	13,996	12,605	85,050	85,100	15,128	10,956	15,128	14,256	88,050	88,100	18,558	13,956	18,558	17,256	82,100	82,150	14,007	9,947	14,007	12,616	85,100	85,150	15,140	10,967	15,140	14,268	88,100	88,150	18,570	13,967	18,570	17,268	82,150	82,200	14,018	9,958	14,018	12,627	85,150	85,200	15,152	10,978	15,152	14,280	88,150	88,200	18,582	13,978	18,582	17,280	82,200	82,250	14,029	9,969	14,029	12,638	85,200	85,250	15,164	10,989	15,164	14,292	88,200	88,250	18,594	13,989	18,594	17,292	83,000						86,000						89,000						83,000	83,050	14,216	10,145	14,216	12,824	86,000	86,050	16,246	11,945	16,246	15,484	89,000	89,050	19,676	14,945	19,676	18,244	83,050	83,100	14,228	10,156	14,228	12,836	86,050	86,100	16,258	11,956	16,258	15,496	89,050	89,100	19,688	14,956	19,688	18,256	83,100	83,150	14,240	10,167	14,240	12,848	86,100	86,150	16,270	11,967	16,270	15,508	89,100	89,150	19,700	14,967	19,700	18,268	83,150	83,200	14,252	10,178	14,252	12,860	86,150	86,200	16,282	11,978	16,282	15,520	89,150	89,200	19,712	14,978	19,712	18,280	83,200	83,250	14,264	10,189	14,264	12,872	86,200	86,250	16,294	11,989	16,294	15,532	89,200	89,250	19,724	14,989	19,724	18,292	84,000						87,000						90,000						84,000	84,050	14,916	10,845	14,916	13,484	87,000	87,050	17,246	12,945	17,246	16,144	90,000	90,050	21,076	15,945	21,076	19,244	84,050	84,100	14,928	10,856	14,928	13,496	87,050	87,100	17,258	12,956	17,258	16,156	90,050	90,100	21,088	15,956	21,088	19,256	84,100	84,150	14,940	10,867	14,940	13,508	87,100	87,150	17,270	12,967	17,270	16,168	90,100	90,150	21,100	15,967	21,100	19,268	84,150	84,200	14,952	10,878	14,952	13,520	87,150	87,200	17,282	12,978	17,282	16,180	90,150	90,200	21,112	15,978	21,112	19,280	84,200	84,250	14,964	10,889	14,964	13,532	87,200	87,250	17,294	12,989	17,294	16,192	90,200	90,250	21,124	15,989	21,124	19,292	85,000						88,000						91,000						85,000	85,050	15,116	10,945	15,116	14,244	88,000	88,050	18,546	13,945	18,546	17,244	91,000	91,050	22,976	16,945	22,976	20,244	85,050	85,100	15,128	10,956	15,128	14,256	88,050	88,100	18,558	13,956	18,558	17,256	91,050	91,100	22,988	16,956	22,988	20,256	85,100	85,150	15,140	10,967	15,140	14,268	88,100	88,150	18,570	13,967	18,570	17,268	91,100	91,150	22,100	16,967	22,100	20,268	85,150	85,200	15,152	10,978	15,152	14,280	88,150	88,200	18,582	13,978	18,582	17,280	91,150	91,200	22,112	16,978	22,112	20,280	85,200	85,250	15,164	10,989	15,164	14,292	88,200	88,250	18,594	13,989	18,594	17,292	91,200	91,250	22,124	16,989	22,124	20,292	86,000						89,000						92,000																																																																																																																	
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77,000	77,050	12,885	8,862	12,885	11,494	80,000	80,050	13,545	9,485	13,545	12,154	83,000	83,050	14,216	10,145	14,216	12,824	77,050	77,100	12,896	8,868	12,896	11,505	80,050	80,100	13,556	9,496	13,556	12,165	83,050	83,100	14,228	10,156	14,228	12,836	77,100	77,150	12,907	8,874	12,907	11,516	80,100	80,150	13,567	9,507	13,567	12,176	83,100	83,150	14,240	10,167	14,240	12,848	77,150	77,200	12,918	8,880	12,918	11,527	80,150	80,200	13,578	9,518	13,578	12,187	83,150	83,200	14,252	10,178	14,252	12,860	77,200	77,250	12,929	8,886	12,929	11,538	80,200	80,250	13,589	9,529	13,589	12,198	83,200	83,250	14,264	10,189	14,264	12,872	78,000						81,000						84,000						78,000	78,050	13,105	9,045	13,105	11,714	81,000	81,050	13,765	9,705	13,765	12,374	84,000	84,050	14,916	10,845	14,916	13,484	78,050	78,100	13,116	9,056	13,116	11,725	81,050	81,100	13,776	9,716	13,776	12,385	84,050	84,100	14,928	10,856	14,928	13,496	78,100	78,150	13,127	9,067	13,127	11,736	81,100	81,150	13,787	9,727	13,787	12,396	84,100	84,150	14,940	10,867	14,940	13,508	78,150	78,200	13,138	9,078	13,138	11,747	81,150	81,200	13,798	9,738	13,798	12,407	84,150	84,200	14,952	10,878	14,952	13,520	78,200	78,250	13,149	9,089	13,149	11,758	81,200	81,250	13,809	9,749	13,809	12,418	84,200	84,250	14,964	10,889	14,964	13,532	79,000						82,000						85,000						79,000	79,050	13,325	9,265	13,325	11,934	82,000	82,050	13,985	9,925	13,985	12,594	85,000	85,050	15,116	10,945	15,116	14,244	79,050	79,100	13,336	9,276	13,336	11,945	82,050	82,100	13,996	9,936	13,996	12,605	85,050	85,100	15,128	10,956	15,128	14,256	79,100	79,150	13,347	9,287	13,347	11,956	82,100	82,150	14,007	9,947	14,007	12,616	85,100	85,150	15,140	10,967	15,140	14,268	79,150	79,200	13,358	9,298	13,358	11,967	82,150	82,200	14,018	9,958	14,018	12,627	85,150	85,200	15,152	10,978	15,152	14,280	79,200	79,250	13,369	9,309	13,369	11,978	82,200	82,250	14,029	9,969	14,029	12,638	85,200	85,250	15,164	10,989	15,164	14,292	80,000						83,000						86,000						80,000	80,050	13,545	9,485	13,545	12,154	83,000	83,050	14,216	10,145	14,216	12,824	86,000	86,050	16,246	11,945	16,246	15,484	80,050	80,100	13,556	9,496	13,556	12,165	83,050	83,100	14,228	10,156	14,228	12,836	86,050	86,100	16,258	11,956	16,258	15,496	80,100	80,150	13,567	9,507	13,567	12,176	83,100	83,150	14,240	10,167	14,240	12,848	86,100	86,150	16,270	11,967	16,270	15,508	80,150	80,200	13,578	9,518	13,578	12,187	83,150	83,200	14,252	10,178	14,252	12,860	86,150	86,200	16,282	11,978	16,282	15,520	80,200	80,250	13,589	9,529	13,589	12,198	83,200	83,250	14,264	10,189	14,264	12,872	86,200	86,250	16,294	11,989	16,294	15,532	81,000						84,000						87,000						81,000	81,050	13,765	9,705	13,765	12,374	84,000	84,050	14,916	10,845	14,916	13,484	87,000	87,050	17,246	12,945	17,246	16,144	81,050	81,100	13,776	9,716	13,776	12,385	84,050	84,100	14,928	10,856	14,928	13,496	87,050	87,100	17,258	12,956	17,258	16,156	81,100	81,150	13,787	9,727	13,787	12,396	84,100	84,150	14,940	10,867	14,940	13,508	87,100	87,150	17,270	12,967	17,270	16,168	81,150	81,200	13,798	9,738	13,798	12,407	84,150	84,200	14,952	10,878	14,952	13,520	87,150	87,200	17,282	12,978	17,282	16,180	81,200	81,250	13,809	9,749	13,809	12,418	84,200	84,250	14,964	10,889	14,964	13,532	87,200	87,250	17,294	12,989	17,294	16,192	82,000						85,000						88,000						82,000	82,050	13,985	9,925	13,985	12,594	85,000	85,050	15,116	10,945	15,116	14,244	88,000	88,050	18,546	13,945	18,546	17,244	82,050	82,100	13,996	9,936	13,996	12,605	85,050	85,100	15,128	10,956	15,128	14,256	88,050	88,100	18,558	13,956	18,558	17,256	82,100	82,150	14,007	9,947	14,007	12,616	85,100	85,150	15,140	10,967	15,140	14,268	88,100	88,150	18,570	13,967	18,570	17,268	82,150	82,200	14,018	9,958	14,018	12,627	85,150	85,200	15,152	10,978	15,152	14,280	88,150	88,200	18,582	13,978	18,582	17,280	82,200	82,250	14,029	9,969	14,029	12,638	85,200	85,250	15,164	10,989	15,164	14,292	88,200	88,250	18,594	13,989	18,594	17,292	83,000						86,000						89,000						83,000	83,050	14,216	10,145	14,216	12,824	86,000	86,050	16,246	11,945	16,246	15,484	89,000	89,050	19,676	14,945	19,676	18,244	83,050	83,100	14,228	10,156	14,228	12,836	86,050	86,100	16,258	11,956	16,258	15,496	89,050	89,100	19,688	14,956	19,688	18,256	83,100	83,150	14,240	10,167	14,240	12,848	86,100	86,150	16,270	11,967	16,270	15,508	89,100	89,150	19,700	14,967	19,700	18,268	83,150	83,200	14,252	10,178	14,252	12,860	86,150	86,200	16,282	11,978	16,282	15,520	89,150	89,200	19,712	14,978	19,712	18,280	83,200	83,250	14,264	10,189	14,264	12,872	86,200	86,250	16,294	11,989	16,294	15,532	89,200	89,250	19,724	14,989	19,724	18,292	84,000						87,000						90,000						84,000	84,050	14,916	10,845	14,916	13,484	87,000	87,050	17,246	12,945	17,246	16,144	90,000	90,050	21,076	15,945	21,076	19,244	84,050	84,100	14,928	10,856	14,928	13,496	87,050	87,100	17,258	12,956	17,258	16,156	90,050	90,100	21,088	15,956	21,088	19,256	84,100	84,150	14,940	10,867	14,940	13,508	87,100	87,150	17,270	12,967	17,270	16,168	90,100	90,150	21,100	15,967	21,100	19,268	84,150	84,200	14,952	10,878	14,952	13,520	87,150	87,200	17,282	12,978	17,282	16,180	90,150	90,200	21,112	15,978	21,112	19,280	84,200	84,250	14,964	10,889	14,964	13,532	87,200	87,250	17,294	12,989	17,294	16,192	90,200	90,250	21,124	15,989	21,124	19,292	85,000						88,000						91,000						85,000	85,050	15,116	10,945	15,116	14,244	88,000	88,050	18,546	13,945	18,546	17,244	91,000	91,050	22,976	16,945	22,976	20,244	85,050	85,100	15,128	10,956	15,128	14,256	88,050	88,100	18,558	13,956	18,558	17,256	91,050	91,100	22,988	16,956	22,988	20,256	85,100	85,150	15,140	10,967	15,140	14,268	88,100	88,150	18,570	13,967	18,570	17,268	91,100	91,150	22,100	16,967	22,100	20,268	85,150	85,200	15,152	10,978	15,152	14,280	88,150	88,200	18,582	13,978	18,582	17,280	91,150	91,200	22,112	16,978	22,112	20,280	85,200	85,250	15,164	10,989	15,164	14,292	88,200	88,250	18,594	13,989	18,594	17,292	91,200	91,250	22,124	16,989	22,124	20,292	86,000						89,000						92,000																																																																																																																																																																																																																													
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78,000	78,050	13,105	9,045	13,105	11,714	81,000	81,050	13,765	9,705	13,765	12,374	84,000	84,050	14,916	10,845	14,916	13,484	78,050	78,100	13,116	9,056	13,116	11,725	81,050	81,100	13,776	9,716	13,776	12,385	84,050	84,100	14,928	10,856	14,928	13,496	78,100	78,150	13,127	9,067	13,127	11,736	81,100	81,150	13,787	9,727	13,787	12,396	84,100	84,150	14,940	10,867	14,940	13,508	78,150	78,200	13,138	9,078	13,138	11,747	81,150	81,200	13,798	9,738	13,798	12,407	84,150	84,200	14,952	10,878	14,952	13,520	78,200	78,250	13,149	9,089	13,149	11,758	81,200	81,250	13,809	9,749	13,809	12,418	84,200	84,250	14,964	10,889	14,964	13,532	79,000						82,000						85,000						79,000	79,050	13,325	9,265	13,325	11,934	82,000	82,050	13,985	9,925	13,985	12,594	85,000	85,050	15,116	10,945	15,116	14,244	79,050	79,100	13,336	9,276	13,336	11,945	82,050	82,100	13,996	9,936	13,996	12,605	85,050	85,100	15,128	10,956	15,128	14,256	79,100	79,150	13,347	9,287	13,347	11,956	82,100	82,150	14,007	9,947	14,007	12,616	85,100	85,150	15,140	10,967	15,140	14,268	79,150	79,200	13,358	9,298	13,358	11,967	82,150	82,200	14,018	9,958	14,018	12,627	85,150	85,200	15,152	10,978	15,152	14,280	79,200	79,250	13,369	9,309	13,369	11,978	82,200	82,250	14,029	9,969	14,029	12,638	85,200	85,250	15,164	10,989	15,164	14,292	80,000						83,000						86,000						80,000	80,050	13,545	9,485	13,545	12,154	83,000	83,050	14,216	10,145	14,216	12,824	86,000	86,050	16,246	11,945	16,246	15,484	80,050	80,100	13,556	9,496	13,556	12,165	83,050	83,100	14,228	10,156	14,228	12,836	86,050	86,100	16,258	11,956	16,258	15,496	80,100	80,150	13,567	9,507	13,567	12,176	83,100	83,150	14,240	10,167	14,240	12,848	86,100	86,150	16,270	11,967	16,270	15,508	80,150	80,200	13,578	9,518	13,578	12,187	83,150	83,200	14,252	10,178	14,252	12,860	86,150	86,200	16,282	11,978	16,282	15,520	80,200	80,250	13,589	9,529	13,589	12,198	83,200	83,250	14,264	10,189	14,264	12,872	86,200	86,250	16,294	11,989	16,294	15,532	81,000						84,000						87,000						81,000	81,050	13,765	9,705	13,765	12,374	84,000	84,050	14,916	10,845	14,916	13,484	87,000	87,050	17,246	12,945	17,246	16,144	81,050	81,100	13,776	9,716	13,776	12,385	84,050	84,100	14,928	10,856	14,928	13,496	87,050	87,100	17,258	12,956	17,258	16,156	81,100	81,150	13,787	9,727	13,787	12,396	84,100	84,150	14,940	10,867	14,940	13,508	87,100	87,150	17,270	12,967	17,270	16,168	81,150	81,200	13,798	9,738	13,798	12,407	84,150	84,200	14,952	10,878	14,952	13,520	87,150	87,200	17,282	12,978	17,282	16,180	81,200	81,250	13,809	9,749	13,809	12,418	84,200	84,250	14,964	10,889	14,964	13,532	87,200	87,250	17,294	12,989	17,294	16,192	82,000						85,000						88,000						82,000	82,050	13,985	9,925	13,985	12,594	85,000	85,050	15,116	10,945	15,116	14,244	88,000	88,050	18,546	13,945	18,546	17,244	82,050	82,100	13,996	9,936	13,996	12,605	85,050	85,100	15,128	10,956	15,128	14,256	88,050	88,100	18,558	13,956	18,558	17,256	82,100	82,150	14,007	9,947	14,007	12,616	85,100	85,150	15,140	10,967	15,140	14,268	88,100	88,150	18,570	13,967	18,570	17,268	82,150	82,200	14,018	9,958	14,018	12,627	85,150	85,200	15,152	10,978	15,152	14,280	88,150	88,200	18,582	13,978	18,582	17,280	82,200	82,250	14,029	9,969	14,029	12,638	85,200	85,250	15,164	10,989	15,164	14,292	88,200	88,250	18,594	13,989	18,594	17,292	83,000						86,000						89,000						83,000	83,050	14,216	10,145	14,216	12,824	86,000	86,050	16,246	11,945	16,246	15,484	89,000	89,050	19,676	14,945	19,676	18,244	83,050	83,100	14,228	10,156	14,228	12,836	86,050	86,100	16,258	11,956	16,258	15,496	89,050	89,100	19,688	14,956	19,688	18,256	83,100	83,150	14,240	10,167	14,240	12,848	86,100	86,150	16,270	11,967	16,270	15,508	89,100	89,150	19,700	14,967	19,700	18,268	83,150	83,200	14,252	10,178	14,252	12,860	86,150	86,200	16,282	11,978	16,282	15,520	89,150	89,200	19,712	14,978	19,712	18,280	83,200	83,250	14,264	10,189	14,264	12,872	86,200	86,250	16,294	11,989	16,294	15,532	89,200	89,250	19,724	14,989	19,724	18,292	84,000						87,000						90,000						84,000	84,050	14,916	10,845	14,916	13,484	87,000	87,050	17,246	12,945	17,246	16,144	90,000	90,050	21,076	15,945	21,076	19,244	84,050	84,100	14,928	10,856	14,928	13,496	87,050	87,100	17,258	12,956	17,258	16,156	90,050	90,100	21,088	15,956	21,088	19,256	84,100	84,150	14,940	10,867	14,940	13,508	87,100	87,150	17,270	12,967	17,270	16,168	90,100	90,150	21,100	15,967	21,100	19,268	84,150	84,200	14,952	10,878	14,952	13,520	87,150	87,200	17,282	12,978	17,282	16,180	90,150	90,200	21,112	15,978	21,112	19,280	84,200	84,250	14,964	10,889	14,964	13,532	87,200	87,250	17,294	12,989	17,294	16,192	90,200	90,250	21,124	15,989	21,124	19,292	85,000						88,000						91,000						85,000	85,050	15,116	10,945	15,116	14,244	88,000	88,050	18,546	13,945	18,546	17,244	91,000	91,050	22,976	16,945	22,976	20,244	85,050	85,100	15,128	10,956	15,128	14,256	88,050	88,100	18,558	13,956	18,558	17,256	91,050	91,100	22,988	16,956	22,988	20,256	85,100	85,150	15,140	10,967	15,140	14,268	88,100	88,150	18,570	13,967	18,570	17,268	91,100	91,150	22,100	16,967	22,100	20,268	85,150	85,200	15,152	10,978	15,152	14,280	88,150	88,200	18,582	13,978	18,582	17,280	91,150	91,200	22,112	16,978	22,112	20,280	85,200	85,250	15,164	10,989	15,164	14,292	88,200	88,250	18,594	13,989	18,594	17,292	91,200	91,250	22,124	16,989	22,124	20,292	86,000						89,000						92,000																																																																																																																																																																																																																																																																																																																																									
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79,000	79,050	13,325	9,265	13,325	11,934	82,000	82,050	13,985	9,925	13,985	12,594	85,000	85,050	15,116	10,945	15,116	14,244	79,050	79,100	13,336	9,276	13,336	11,945	82,050	82,100	13,996	9,936	13,996	12,605	85,050	85,100	15,128	10,956	15,128	14,256	79,100	79,150	13,347	9,287	13,347	11,956	82,100	82,150	14,007	9,947	14,007	12,616	85,100	85,150	15,140	10,967	15,140	14,268	79,150	79,200	13,358	9,298	13,358	11,967	82,150	82,200	14,018	9,958	14,018	12,627	85,150	85,200	15,152	10,978	15,152	14,280	79,200	79,250	13,369	9,309	13,369	11,978	82,200	82,250	14,029	9,969	14,029	12,638	85,200	85,250	15,164	10,989	15,164	14,292	80,000						83,000						86,000						80,000	80,050	13,545	9,485	13,545	12,154	83,000	83,050	14,216	10,145	14,216	12,824	86,000	86,050	16,246	11,945	16,246	15,484	80,050	80,100	13,556	9,496	13,556	12,165	83,050	83,100	14,228	10,156	14,228	12,836	86,050	86,100	16,258	11,956	16,258	15,496	80,100	80,150	13,567	9,507	13,567	12,176	83,100	83,150	14,240	10,167	14,240	12,848	86,100	86,150	16,270	11,967	16,270	15,508	80,150	80,200	13,578	9,518	13,578	12,187	83,150	83,200	14,252	10,178	14,252	12,860	86,150	86,200	16,282	11,978	16,282	15,520	80,200	80,250	13,589	9,529	13,589	12,198	83,200	83,250	14,264	10,189	14,264	12,872	86,200	86,250	16,294	11,989	16,294	15,532	81,000						84,000						87,000						81,000	81,050	13,765	9,705	13,765	12,374	84,000	84,050	14,916	10,845	14,916	13,484	87,000	87,050	17,246	12,945	17,246	16,144	81,050	81,100	13,776	9,716	13,776	12,385	84,050	84,100	14,928	10,856	14,928	13,496	87,050	87,100	17,258	12,956	17,258	16,156	81,100	81,150	13,787	9,727	13,787	12,396	84,100	84,150	14,940	10,867	14,940	13,508	87,100	87,150	17,270	12,967	17,270	16,168	81,150	81,200	13,798	9,738	13,798	12,407	84,150	84,200	14,952	10,878	14,952	13,520	87,150	87,200	17,282	12,978	17,282	16,180	81,200	81,250	13,809	9,749	13,809	12,418	84,200	84,250	14,964	10,889	14,964	13,532	87,200	87,250	17,294	12,989	17,294	16,192	82,000						85,000						88,000						82,000	82,050	13,985	9,925	13,985	12,594	85,000	85,050	15,116	10,945	15,116	14,244	88,000	88,050	18,546	13,945	18,546	17,244	82,050	82,100	13,996	9,936	13,996	12,605	85,050	85,100	15,128	10,956	15,128	14,256	88,050	88,100	18,558	13,956	18,558	17,256	82,100	82,150	14,007	9,947	14,007	12,616	85,100	85,150	15,140	10,967	15,140	14,268	88,100	88,150	18,570	13,967	18,570	17,268	82,150	82,200	14,018	9,958	14,018	12,627	85,150	85,200	15,152	10,978	15,152	14,280	88,150	88,200	18,582	13,978	18,582	17,280	82,200	82,250	14,029	9,969	14,029	12,638	85,200	85,250	15,164	10,989	15,164	14,292	88,200	88,250	18,594	13,989	18,594	17,292	83,000						86,000						89,000						83,000	83,050	14,216	10,145	14,216	12,824	86,000	86,050	16,246	11,945	16,246	15,484	89,000	89,050	19,676	14,945	19,676	18,244	83,050	83,100	14,228	10,156	14,228	12,836	86,050	86,100	16,258	11,956	16,258	15,496	89,050	89,100	19,688	14,956	19,688	18,256	83,100	83,150	14,240	10,167	14,240	12,848	86,100	86,150	16,270	11,967	16,270	15,508	89,100	89,150	19,700	14,967	19,700	18,268	83,150	83,200	14,252	10,178	14,252	12,860	86,150	86,200	16,282	11,978	16,282	15,520	89,150	89,200	19,712	14,978	19,712	18,280	83,200	83,250	14,264	10,189	14,264	12,872	86,200	86,250	16,294	11,989	16,294	15,532	89,200	89,250	19,724	14,989	19,724	18,292	84,000						87,000						90,000						84,000	84,050	14,916	10,845	14,916	13,484	87,000	87,050	17,246	12,945	17,246	16,144	90,000	90,050	21,076	15,945	21,076	19,244	84,050	84,100	14,928	10,856	14,928	13,496	87,050	87,100	17,258	12,956	17,258	16,156	90,050	90,100	21,088	15,956	21,088	19,256	84,100	84,150	14,940	10,867	14,940	13,508	87,100	87,150	17,270	12,967	17,270	16,168	90,100	90,150	21,100	15,967	21,100	19,268	84,150	84,200	14,952	10,878	14,952	13,520	87,150	87,200	17,282	12,978	17,282	16,180	90,150	90,200	21,112	15,978	21,112	19,280	84,200	84,250	14,964	10,889	14,964	13,532	87,200	87,250	17,294	12,989	17,294	16,192	90,200	90,250	21,124	15,989	21,124	19,292	85,000						88,000						91,000						85,000	85,050	15,116	10,945	15,116	14,244	88,000	88,050	18,546	13,945	18,546	17,244	91,000	91,050	22,976	16,945	22,976	20,244	85,050	85,100	15,128	10,956	15,128	14,256	88,050	88,100	18,558	13,956	18,558	17,256	91,050	91,100	22,988	16,956	22,988	20,256	85,100	85,150	15,140	10,967	15,140	14,268	88,100	88,150	18,570	13,967	18,570	17,268	91,100	91,150	22,100	16,967	22,100	20,268	85,150	85,200	15,152	10,978	15,152	14,280	88,150	88,200	18,582	13,978	18,582	17,280	91,150	91,200	22,112	16,978	22,112	20,280	85,200	85,250	15,164	10,989	15,164	14,292	88,200	88,250	18,594	13,989	18,594	17,292	91,200	91,250	22,124	16,989	22,124	20,292	86,000						89,000						92,000																																																																																																																																																																																																																																																																																																																																																																																	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80,000	80,050	13,545	9,485	13,545	12,154	83,000	83,050	14,216	10,145	14,216	12,824	86,000	86,050	16,246	11,945	16,246	15,484	80,050	80,100	13,556	9,496	13,556	12,165	83,050	83,100	14,228	10,156	14,228	12,836	86,050	86,100	16,258	11,956	16,258	15,496	80,100	80,150	13,567	9,507	13,567	12,176	83,100	83,150	14,240	10,167	14,240	12,848	86,100	86,150	16,270	11,967	16,270	15,508	80,150	80,200	13,578	9,518	13,578	12,187	83,150	83,200	14,252	10,178	14,252	12,860	86,150	86,200	16,282	11,978	16,282	15,520	80,200	80,250	13,589	9,529	13,589	12,198	83,200	83,250	14,264	10,189	14,264	12,872	86,200	86,250	16,294	11,989	16,294	15,532	81,000						84,000						87,000						81,000	81,050	13,765	9,705	13,765	12,374	84,000	84,050	14,916	10,845	14,916	13,484	87,000	87,050	17,246	12,945	17,246	16,144	81,050	81,100	13,776	9,716	13,776	12,385	84,050	84,100	14,928	10,856	14,928	13,496	87,050	87,100	17,258	12,956	17,258	16,156	81,100	81,150	13,787	9,727	13,787	12,396	84,100	84,150	14,940	10,867	14,940	13,508	87,100	87,150	17,270	12,967	17,270	16,168	81,150	81,200	13,798	9,738	13,798	12,407	84,150	84,200	14,952	10,878	14,952	13,520	87,150	87,200	17,282	12,978	17,282	16,180	81,200	81,250	13,809	9,749	13,809	12,418	84,200	84,250	14,964	10,889	14,964	13,532	87,200	87,250	17,294	12,989	17,294	16,192	82,000						85,000						88,000						82,000	82,050	13,985	9,925	13,985	12,594	85,000	85,050	15,116	10,945	15,116	14,244	88,000	88,050	18,546	13,945	18,546	17,244	82,050	82,100	13,996	9,936	13,996	12,605	85,050	85,100	15,128	10,956	15,128	14,256	88,050	88,100	18,558	13,956	18,558	17,256	82,100	82,150	14,007	9,947	14,007	12,616	85,100	85,150	15,140	10,967	15,140	14,268	88,100	88,150	18,570	13,967	18,570	17,268	82,150	82,200	14,018	9,958	14,018	12,627	85,150	85,200	15,152	10,978	15,152	14,280	88,150	88,200	18,582	13,978	18,582	17,280	82,200	82,250	14,029	9,969	14,029	12,638	85,200	85,250	15,164	10,989	15,164	14,292	88,200	88,250	18,594	13,989	18,594	17,292	83,000						86,000						89,000						83,000	83,050	14,216	10,145	14,216	12,824	86,000	86,050	16,246	11,945	16,246	15,484	89,000	89,050	19,676	14,945	19,676	18,244	83,050	83,100	14,228	10,156	14,228	12,836	86,050	86,100	16,258	11,956	16,258	15,496	89,050	89,100	19,688	14,956	19,688	18,256	83,100	83,150	14,240	10,167	14,240	12,848	86,100	86,150	16,270	11,967	16,270	15,508	89,100	89,150	19,700	14,967	19,700	18,268	83,150	83,200	14,252	10,178	14,252	12,860	86,150	86,200	16,282	11,978	16,282	15,520	89,150	89,200	19,712	14,978	19,712	18,280	83,200	83,250	14,264	10,189	14,264	12,872	86,200	86,250	16,294	11,989	16,294	15,532	89,200	89,250	19,724	14,989	19,724	18,292	84,000						87,000						90,000						84,000	84,050	14,916	10,845	14,916	13,484	87,000	87,050	17,246	12,945	17,246	16,144	90,000	90,050	21,076	15,945	21,076	19,244	84,050	84,100	14,928	10,856	14,928	13,496	87,050	87,100	17,258	12,956	17,258	16,156	90,050	90,100	21,088	15,956	21,088	19,256	84,100	84,150	14,940	10,867	14,940	13,508	87,100	87,150	17,270	12,967	17,270	16,168	90,100	90,150	21,100	15,967	21,100	19,268	84,150	84,200	14,952	10,878	14,952	13,520	87,150	87,200	17,282	12,978	17,282	16,180	90,150	90,200	21,112	15,978	21,112	19,280	84,200	84,250	14,964	10,889	14,964	13,532	87,200	87,250	17,294	12,989	17,294	16,192	90,200	90,250	21,124	15,989	21,124	19,292	85,000						88,000						91,000						85,000	85,050	15,116	10,945	15,116	14,244	88,000	88,050	18,546	13,945	18,546	17,244	91,000	91,050	22,976	16,945	22,976	20,244	85,050	85,100	15,128	10,956	15,128	14,256	88,050	88,100	18,558	13,956	18,558	17,256	91,050	91,100	22,988	16,956	22,988	20,256	85,100	85,150	15,140	10,967	15,140	14,268	88,100	88,150	18,570	13,967	18,570	17,268	91,100	91,150	22,100	16,967	22,100	20,268	85,150	85,200	15,152	10,978	15,152	14,280	88,150	88,200	18,582	13,978	18,582	17,280	91,150	91,200	22,112	16,978	22,112	20,280	85,200	85,250	15,164	10,989	15,164	14,292	88,200	88,250	18,594	13,989	18,594	17,292	91,200	91,250	22,124	16,989	22,124	20,292	86,000						89,000						92,000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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81,000	81,050	13,765	9,705	13,765	12,374	84,000	84,050	14,916	10,845	14,916	13,484	87,000	87,050	17,246	12,945	17,246	16,144	81,050	81,100	13,776	9,716	13,776	12,385	84,050	84,100	14,928	10,856	14,928	13,496	87,050	87,100	17,258	12,956	17,258	16,156	81,100	81,150	13,787	9,727	13,787	12,396	84,100	84,150	14,940	10,867	14,940	13,508	87,100	87,150	17,270	12,967	17,270	16,168	81,150	81,200	13,798	9,738	13,798	12,407	84,150	84,200	14,952	10,878	14,952	13,520	87,150	87,200	17,282	12,978	17,282	16,180	81,200	81,250	13,809	9,749	13,809	12,418	84,200	84,250	14,964	10,889	14,964	13,532	87,200	87,250	17,294	12,989	17,294	16,192	82,000						85,000						88,000						82,000	82,050	13,985	9,925	13,985	12,594	85,000	85,050	15,116	10,945	15,116	14,244	88,000	88,050	18,546	13,945	18,546	17,244	82,050	82,100	13,996	9,936	13,996	12,605	85,050	85,100	15,128	10,956	15,128	14,256	88,050	88,100	18,558	13,956	18,558	17,256	82,100	82,150	14,007	9,947	14,007	12,616	85,100	85,150	15,140	10,967	15,140	14,268	88,100	88,150	18,570	13,967	18,570	17,268	82,150	82,200	14,018	9,958	14,018	12,627	85,150	85,200	15,152	10,978	15,152	14,280	88,150	88,200	18,582	13,978	18,582	17,280	82,200	82,250	14,029	9,969	14,029	12,638	85,200	85,250	15,164	10,989	15,164	14,292	88,200	88,250	18,594	13,989	18,594	17,292	83,000						86,000						89,000						83,000	83,050	14,216	10,145	14,216	12,824	86,000	86,050	16,246	11,945	16,246	15,484	89,000	89,050	19,676	14,945	19,676	18,244	83,050	83,100	14,228	10,156	14,228	12,836	86,050	86,100	16,258	11,956	16,258	15,496	89,050	89,100	19,688	14,956	19,688	18,256	83,100	83,150	14,240	10,167	14,240	12,848	86,100	86,150	16,270	11,967	16,270	15,508	89,100	89,150	19,700	14,967	19,700	18,268	83,150	83,200	14,252	10,178	14,252	12,860	86,150	86,200	16,282	11,978	16,282	15,520	89,150	89,200	19,712	14,978	19,712	18,280	83,200	83,250	14,264	10,189	14,264	12,872	86,200	86,250	16,294	11,989	16,294	15,532	89,200	89,250	19,724	14,989	19,724	18,292	84,000						87,000						90,000						84,000	84,050	14,916	10,845	14,916	13,484	87,000	87,050	17,246	12,945	17,246	16,144	90,000	90,050	21,076	15,945	21,076	19,244	84,050	84,100	14,928	10,856	14,928	13,496	87,050	87,100	17,258	12,956	17,258	16,156	90,050	90,100	21,088	15,956	21,088	19,256	84,100	84,150	14,940	10,867	14,940	13,508	87,100	87,150	17,270	12,967	17,270	16,168	90,100	90,150	21,100	15,967	21,100	19,268	84,150	84,200	14,952	10,878	14,952	13,520	87,150	87,200	17,282	12,978	17,282	16,180	90,150	90,200	21,112	15,978	21,112	19,280	84,200	84,250	14,964	10,889	14,964	13,532	87,200	87,250	17,294	12,989	17,294	16,192	90,200	90,250	21,124	15,989	21,124	19,292	85,000						88,000						91,000						85,000	85,050	15,116	10,945	15,116	14,244	88,000	88,050	18,546	13,945	18,546	17,244	91,000	91,050	22,976	16,945	22,976	20,244	85,050	85,100	15,128	10,956	15,128	14,256	88,050	88,100	18,558	13,956	18,558	17,256	91,050	91,100	22,988	16,956	22,988	20,256	85,100	85,150	15,140	10,967	15,140	14,268	88,100	88,150	18,570	13,967	18,570	17,268	91,100	91,150	22,100	16,967	22,100	20,268	85,150	85,200	15,152	10,978	15,152	14,280	88,150	88,200	18,582	13,978	18,582	17,280	91,150	91,200	22,112	16,978	22,112	20,280	85,200	85,250	15,164	10,989	15,164	14,292	88,200	88,250	18,594	13,989	18,594	17,292	91,200	91,250	22,124	16,989	22,124	20,292	86,000						89,000						92,000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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82,000	82,050	13,985	9,925	13,985	12,594	85,000	85,050	15,116	10,945	15,116	14,244	88,000	88,050	18,546	13,945	18,546	17,244	82,050	82,100	13,996	9,936	13,996	12,605	85,050	85,100	15,128	10,956	15,128	14,256	88,050	88,100	18,558	13,956	18,558	17,256	82,100	82,150	14,007	9,947	14,007	12,616	85,100	85,150	15,140	10,967	15,140	14,268	88,100	88,150	18,570	13,967	18,570	17,268	82,150	82,200	14,018	9,958	14,018	12,627	85,150	85,200	15,152	10,978	15,152	14,280	88,150	88,200	18,582	13,978	18,582	17,280	82,200	82,250	14,029	9,969	14,029	12,638	85,200	85,250	15,164	10,989	15,164	14,292	88,200	88,250	18,594	13,989	18,594	17,292	83,000						86,000						89,000						83,000	83,050	14,216	10,145	14,216	12,824	86,000	86,050	16,246	11,945	16,246	15,484	89,000	89,050	19,676	14,945	19,676	18,244	83,050	83,100	14,228	10,156	14,228	12,836	86,050	86,100	16,258	11,956	16,258	15,496	89,050	89,100	19,688	14,956	19,688	18,256	83,100	83,150	14,240	10,167	14,240	12,848	86,100	86,150	16,270	11,967	16,270	15,508	89,100	89,150	19,700	14,967	19,700	18,268	83,150	83,200	14,252	10,178	14,252	12,860	86,150	86,200	16,282	11,978	16,282	15,520	89,150	89,200	19,712	14,978	19,712	18,280	83,200	83,250	14,264	10,189	14,264	12,872	86,200	86,250	16,294	11,989	16,294	15,532	89,200	89,250	19,724	14,989	19,724	18,292	84,000						87,000						90,000						84,000	84,050	14,916	10,845	14,916	13,484	87,000	87,050	17,246	12,945	17,246	16,144	90,000	90,050	21,076	15,945	21,076	19,244	84,050	84,100	14,928	10,856	14,928	13,496	87,050	87,100	17,258	12,956	17,258	16,156	90,050	90,100	21,088	15,956	21,088	19,256	84,100	84,150	14,940	10,867	14,940	13,508	87,100	87,150	17,270	12,967	17,270	16,168	90,100	90,150	21,100	15,967	21,100	19,268	84,150	84,200	14,952	10,878	14,952	13,520	87,150	87,200	17,282	12,978	17,282	16,180	90,150	90,200	21,112	15,978	21,112	19,280	84,200	84,250	14,964	10,889	14,964	13,532	87,200	87,250	17,294	12,989	17,294	16,192	90,200	90,250	21,124	15,989	21,124	19,292	85,000						88,000						91,000						85,000	85,050	15,116	10,945	15,116	14,244	88,000	88,050	18,546	13,945	18,546	17,244	91,000	91,050	22,976	16,945	22,976	20,244	85,050	85,100	15,128	10,956	15,128	14,256	88,050	88,100	18,558	13,956	18,558	17,256	91,050	91,100	22,988	16,956	22,988	20,256	85,100	85,150	15,140	10,967	15,140	14,268	88,100	88,150	18,570	13,967	18,570	17,268	91,100	91,150	22,100	16,967	22,100	20,268	85,150	85,200	15,152	10,978	15,152	14,280	88,150	88,200	18,582	13,978	18,582	17,280	91,150	91,200	22,112	16,978	22,112	20,280	85,200	85,250	15,164	10,989	15,164	14,292	88,200	88,250	18,594	13,989	18,594	17,292	91,200	91,250	22,124	16,989	22,124	20,292	86,000						89,000						92,000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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83,000	83,050	14,216	10,145	14,216	12,824	86,000	86,050	16,246	11,945	16,246	15,484	89,000	89,050	19,676	14,945	19,676	18,244	83,050	83,100	14,228	10,156	14,228	12,836	86,050	86,100	16,258	11,956	16,258	15,496	89,050	89,100	19,688	14,956	19,688	18,256	83,100	83,150	14,240	10,167	14,240	12,848	86,100	86,150	16,270	11,967	16,270	15,508	89,100	89,150	19,700	14,967	19,700	18,268	83,150	83,200	14,252	10,178	14,252	12,860	86,150	86,200	16,282	11,978	16,282	15,520	89,150	89,200	19,712	14,978	19,712	18,280	83,200	83,250	14,264	10,189	14,264	12,872	86,200	86,250	16,294	11,989	16,294	15,532	89,200	89,250	19,724	14,989	19,724	18,292	84,000						87,000						90,000						84,000	84,050	14,916	10,845	14,916	13,484	87,000	87,050	17,246	12,945	17,246	16,144	90,000	90,050	21,076	15,945	21,076	19,244	84,050	84,100	14,928	10,856	14,928	13,496	87,050	87,100	17,258	12,956	17,258	16,156	90,050	90,100	21,088	15,956	21,088	19,256	84,100	84,150	14,940	10,867	14,940	13,508	87,100	87,150	17,270	12,967	17,270	16,168	90,100	90,150	21,100	15,967	21,100	19,268	84,150	84,200	14,952	10,878	14,952	13,520	87,150	87,200	17,282	12,978	17,282	16,180	90,150	90,200	21,112	15,978	21,112	19,280	84,200	84,250	14,964	10,889	14,964	13,532	87,200	87,250	17,294	12,989	17,294	16,192	90,200	90,250	21,124	15,989	21,124	19,292	85,000						88,000						91,000						85,000	85,050	15,116	10,945	15,116	14,244	88,000	88,050	18,546	13,945	18,546	17,244	91,000	91,050	22,976	16,945	22,976	20,244	85,050	85,100	15,128	10,956	15,128	14,256	88,050	88,100	18,558	13,956	18,558	17,256	91,050	91,100	22,988	16,956	22,988	20,256	85,100	85,150	15,140	10,967	15,140	14,268	88,100	88,150	18,570	13,967	18,570	17,268	91,100	91,150	22,100	16,967	22,100	20,268	85,150	85,200	15,152	10,978	15,152	14,280	88,150	88,200	18,582	13,978	18,582	17,280	91,150	91,200	22,112	16,978	22,112	20,280	85,200	85,250	15,164	10,989	15,164	14,292	88,200	88,250	18,594	13,989	18,594	17,292	91,200	91,250	22,124	16,989	22,124	20,292	86,000						89,000						92,000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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84,000	84,050	14,916	10,845	14,916	13,484	87,000	87,050	17,246	12,945	17,246	16,144	90,000	90,050	21,076	15,945	21,076	19,244	84,050	84,100	14,928	10,856	14,928	13,496	87,050	87,100	17,258	12,956	17,258	16,156	90,050	90,100	21,088	15,956	21,088	19,256	84,100	84,150	14,940	10,867	14,940	13,508	87,100	87,150	17,270	12,967	17,270	16,168	90,100	90,150	21,100	15,967	21,100	19,268	84,150	84,200	14,952	10,878	14,952	13,520	87,150	87,200	17,282	12,978	17,282	16,180	90,150	90,200	21,112	15,978	21,112	19,280	84,200	84,250	14,964	10,889	14,964	13,532	87,200	87,250	17,294	12,989	17,294	16,192	90,200	90,250	21,124	15,989	21,124	19,292	85,000						88,000						91,000						85,000	85,050	15,116	10,945	15,116	14,244	88,000	88,050	18,546	13,945	18,546	17,244	91,000	91,050	22,976	16,945	22,976	20,244	85,050	85,100	15,128	10,956	15,128	14,256	88,050	88,100	18,558	13,956	18,558	17,256	91,050	91,100	22,988	16,956	22,988	20,256	85,100	85,150	15,140	10,967	15,140	14,268	88,100	88,150	18,570	13,967	18,570	17,268	91,100	91,150	22,100	16,967	22,100	20,268	85,150	85,200	15,152	10,978	15,152	14,280	88,150	88,200	18,582	13,978	18,582	17,280	91,150	91,200	22,112	16,978	22,112	20,280	85,200	85,250	15,164	10,989	15,164	14,292	88,200	88,250	18,594	13,989	18,594	17,292	91,200	91,250	22,124	16,989	22,124	20,292	86,000						89,000						92,000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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85,000	85,050	15,116	10,945	15,116	14,244	88,000	88,050	18,546	13,945	18,546	17,244	91,000	91,050	22,976	16,945	22,976	20,244	85,050	85,100	15,128	10,956	15,128	14,256	88,050	88,100	18,558	13,956	18,558	17,256	91,050	91,100	22,988	16,956	22,988	20,256	85,100	85,150	15,140	10,967	15,140	14,268	88,100	88,150	18,570	13,967	18,570	17,268	91,100	91,150	22,100	16,967	22,100	20,268	85,150	85,200	15,152	10,978	15,152	14,280	88,150	88,200	18,582	13,978	18,582	17,280	91,150	91,200	22,112	16,978	22,112	20,280	85,200	85,250	15,164	10,989	15,164	14,292	88,200	88,250	18,594	13,989	18,594	17,292	91,200	91,250	22,124	16,989	22,124	20,292	86,000						89,000						92,000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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If line 10 (taxable income) is—		And you are—				If line 10 (taxable income) is—		And you are—				If line 10 (taxable income) is—		And you are—									
At least	But less than	Single	Married filing jointly *	Married filing separately	Head of a household	At least	But less than	Single	Married filing jointly *	Married filing separately	Head of a household	At least	But less than	Single	Married filing jointly *	Married filing separately	Head of a household	At least	But less than	Single	Married filing jointly *	Married filing separately	Head of a household
		Your tax is—						Your tax is—						Your tax is—									
84,000																							
84,000	84,050	14,456	10,365	14,456	13,064	87,000	87,050	15,176	11,025	15,176	13,784	90,000	90,050	15,896	11,685	15,896	14,504	84,000	84,050	14,456	10,365	14,456	13,064
84,050	84,100	14,468	10,376	14,468	13,076	87,050	87,100	15,188	11,036	15,188	13,796	90,050	90,100	15,908	11,696	15,908	14,516	84,100	84,150	14,480	10,387	14,480	13,088
84,100	84,150	14,480	10,387	14,480	13,088	87,100	87,150	15,200	11,047	15,200	13,808	90,100	90,150	15,920	11,707	15,920	14,528	84,150	84,200	14,492	10,398	14,492	13,100
84,150	84,200	14,492	10,398	14,492	13,100	87,150	87,200	15,212	11,058	15,212	13,820	90,150	90,200	15,932	11,718	15,932	14,540	84,200	84,250	14,504	10,409	14,504	13,112
84,200	84,250	14,504	10,409	14,504	13,112	87,200	87,250	15,224	11,069	15,224	13,832	90,200	90,250	15,944	11,729	15,944	14,552	84,250	84,300	14,516	10,420	14,516	13,124
84,250	84,300	14,516	10,420	14,516	13,124	87,250	87,300	15,236	11,080	15,236	13,844	90,250	90,300	15,956	11,740	15,956	14,564	84,300	84,350	14,528	10,431	14,528	13,136
84,300	84,350	14,528	10,431	14,528	13,136	87,300	87,350	15,248	11,091	15,248	13,856	90,300	90,350	15,968	11,751	15,968	14,576	84,350	84,400	14,540	10,442	14,540	13,148
84,350	84,400	14,540	10,442	14,540	13,148	87,350	87,400	15,260	11,102	15,260	13,868	90,350	90,400	15,980	11,762	15,980	14,588	84,400	84,450	14,552	10,453	14,552	13,160
84,400	84,450	14,552	10,453	14,552	13,160	87,400	87,450	15,272	11,113	15,272	13,880	90,400	90,450	15,992	11,773	15,992	14,600	84,450	84,500	14,564	10,464	14,564	13,172
84,450	84,500	14,564	10,464	14,564	13,172	87,450	87,500	15,284	11,124	15,284	13,892	90,450	90,500	16,004	11,784	16,004	14,612	84,500	84,550	14,576	10,475	14,576	13,184
84,500	84,550	14,576	10,475	14,576	13,184	87,500	87,550	15,296	11,135	15,296	13,904	90,500	90,550	16,016	11,795	16,016	14,624	84,550	84,600	14,588	10,486	14,588	13,196
84,550	84,600	14,588	10,486	14,588	13,196	87,550	87,600	15,308	11,146	15,308	13,916	90,550	90,600	16,028	11,806	16,028	14,636	84,600	84,650	14,600	10,497	14,600	13,208
84,600	84,650	14,600	10,497	14,600	13,208	87,600	87,650	15,320	11,157	15,320	13,928	90,600	90,650	16,040	11,817	16,040	14,648	84,650	84,700	14,612	10,508	14,612	13,220
84,650	84,700	14,612	10,508	14,612	13,220	87,650	87,700	15,332	11,168	15,332	13,940	90,650	90,700	16,052	11,828	16,052	14,660	84,700	84,750	14,624	10,519	14,624	13,232
84,700	84,750	14,624	10,519	14,624	13,232	87,700	87,750	15,344	11,179	15,344	13,952	90,700	90,750	16,064	11,839	16,064	14,672	84,750	84,800	14,636	10,530	14,636	13,244
84,750	84,800	14,636	10,530	14,636	13,244	87,750	87,800	15,356	11,190	15,356	13,964	90,750	90,800	16,076	11,850	16,076	14,684	84,800	84,850	14,648	10,541	14,648	13,256
84,800	84,850	14,648	10,541	14,648	13,256	87,800	87,850	15,368	11,201	15,368	13,976	90,800	90,850	16,088	11,861	16,088	14,696	84,850	84,900	14,660	10,552	14,660	13,268
84,850	84,900	14,660	10,552	14,660	13,268	87,850	87,900	15,380	11,212	15,380	13,988	90,850	90,900	16,100	11,872	16,100	14,708	84,900	84,950	14,672	10,563	14,672	13,280
84,900	84,950	14,672	10,563	14,672	13,280	87,900	87,950	15,392	11,223	15,392	14,000	90,900	90,950	16,112	11,883	16,112	14,720	84,950	85,000	14,684	10,574	14,684	13,292
84,950	85,000	14,684	10,574	14,684	13,292	87,950	88,000	15,404	11,234	15,404	14,012	90,950	91,000	16,124	11,894	16,124	14,732						
85,000																							
85,000	85,050	14,696	10,585	14,696	13,304	88,000	88,050	15,416	11,245	15,416	14,024	91,000	91,050	16,136	11,905	16,136	14,744	85,000	85,050	14,708	10,596	14,708	13,316
85,050	85,100	14,708	10,596	14,708	13,316	88,050	88,100	15,428	11,256	15,428	14,036	91,050	91,100	16,148	11,916	16,148	14,756	85,100	85,150	14,720	10,607	14,720	13,328
85,100	85,150	14,720	10,607	14,720	13,328	88,100	88,150	15,440	11,267	15,440	14,048	91,100	91,150	16,160	11,927	16,160	14,768	85,150	85,200	14,732	10,618	14,732	13,340
85,150	85,200	14,732	10,618	14,732	13,340	88,150	88,200	15,452	11,278	15,452	14,060	91,150	91,200	16,172	11,938	16,172	14,780	85,200	85,250	14,744	10,629	14,744	13,352
85,200	85,250	14,744	10,629	14,744	13,352	88,200	88,250	15,464	11,289	15,464	14,072	91,200	91,250	16,184	11,949	16,184	14,792	85,250	85,300	14,756	10,640	14,756	13,364
85,250	85,300	14,756	10,640	14,756	13,364	88,250	88,300	15,476	11,300	15,476	14,084	91,250	91,300	16,196	11,960	16,196	14,804	85,300	85,350	14,768	10,651	14,768	13,376
85,300	85,350	14,768	10,651	14,768	13,376	88,300	88,350	15,488	11,311	15,488	14,096	91,300	91,350	16,208	11,971	16,208	14,816	85,350	85,400	14,780	10,662	14,780	13,388
85,350	85,400	14,780	10,662	14,780	13,388	88,350	88,400	15,500	11,322	15,500	14,108	91,350	91,400	16,220	11,982	16,220	14,828	85,400	85,450	14,792	10,673	14,792	13,400
85,400	85,450	14,792	10,673	14,792	13,400	88,400	88,450	15,512	11,333	15,512	14,120	91,400	91,450	16,232	11,993	16,232	14,840	85,450	85,500	14,804	10,684	14,804	13,412
85,450	85,500	14,804	10,684	14,804	13,412	88,450	88,500	15,524	11,344	15,524	14,132	91,450	91,500	16,244	12,004	16,244	14,852	85,500	85,550	14,816	10,695	14,816	13,424
85,500	85,550	14,816	10,695	14,816	13,424	88,500	88,550	15,536	11,355	15,536	14,144	91,500	91,550	16,256	12,015	16,256	14,864	85,550	85,600	14,828	10,706	14,828	13,436
85,550	85,600	14,828	10,706	14,828	13,436	88,550	88,600	15,548	11,366	15,548	14,156	91,550	91,600	16,268	12,026	16,268	14,876	85,600	85,650	14,840	10,717	14,840	13,448
85,600	85,650	14,840	10,717	14,840	13,448	88,600	88,650	15,560	11,377	15,560	14,168	91,600	91,650	16,280	12,037	16,280	14,888	85,650	85,700	14,852	10,728	14,852	13,460
85,650	85,700	14,852	10,728	14,852	13,460	88,650	88,700	15,572	11,388	15,572	14,180	91,650	91,700	16,292	12,048	16,292	14,900	85,700	85,750	14,864	10,739	14,864	13,472
85,700	85,750	14,864	10,739	14,864	13,472	88,700	88,750	15,584	11,399	15,584	14,192	91,700	91,750	16,304	12,059	16,304	14,912	85,750	85,800	14,876	10,750	14,876	13,484
85,750	85,800	14,876	10,750	14,876	13,484	88,750	88,800	15,596	11,410	15,596	14,204	91,750	91,800	16,316	12,070	16,316	14,924	85,800	85,850	14,888	10,761	14,888	13,496
85,800	85,850	14,888	10,761	14,888	13,496	88,800	88,850	15,608	11,421	15,608	14,216	91,800	91,850	16,328	12,081	16,328	14,936	85,850	85,900	14,900	10,772	14,900	13,508
85,850	85,900	14,900	10,772	14,900	13,508	88,850	88,900	15,620	11,432	15,620	14,228	91,850	91,900	16,340	12,092	16,340	14,948	85,900	85,950	14,912	10,783	14,912	13,520
85,900	85,950	14,912	10,783	14,912	13,520	88,900	88,950	15,632	11,443	15,632	14,240	91,900	91,950	16,352	12,103	16,352	14,960	85,950	86,000	14,924	10,794	14,924	13,532
85,950	86,000	14,924	10,794	14,924	13,532	88,950	89,000	15,644	11,454	15,644	14,252	91,950	92,000	16,364	12,114	16,364	14,972						
86,000																							
86,000	86,050	14,936	10,805	14,936	13,544	89,000	89,050	15,656	11,465	15,656	14,264	92,000	92,050	16,376	12,125	16,376	14,984	86,000	86,050	14,948	10,816	14,948	13,556
86,050	86,100	14,948	10,816	14,948	13,556	89,050	89,100	15,668	11,476	15,668	14,276	92,050	92,100	16,388	12,136	16,388	14,996	86,100	86,150	14,960	10,827	14,960	13,568
86,100	86,150	14,960	10,827	14,960	13,568	89,100	89,150	15,680	11,487	15,680	14,288	92,100	92,150	16,400	12,147	16,400	15,008	86,150	86,200	14,972	10,838	14,972	13,580
86,150	86,200	14,972	10,838	14,972	13,580	89,150	89,200	15,692	11,498	15,692	14,300	92,150	92,200	16,412	12,158	16,412	15,020	86,200	86,250	14,984	10,849	14,984	13,592
86,2																							

If line 10 (taxable income) is—		And you are—				Your tax is—	If line 10 (taxable income) is—		And you are—				Your tax is—	If line 10 (taxable income) is—		And you are—				Your tax is—
At least	But less than	Single	Married filing jointly *	Married filing separately	Head of a household		At least	But less than	Single	Married filing jointly *	Married filing separately	Head of a household		At least	But less than	Single	Married filing jointly *	Married filing separately	Head of a household	
93,000						96,000						99,000								
93,000	93,050	16,616	12,345	16,616	15,224	96,000	96,050	17,336	13,005	17,336	15,944	99,000	99,050	18,056	13,665	18,056	16,664			
93,050	93,100	16,628	12,356	16,628	15,236	96,050	96,100	17,348	13,016	17,348	15,956	99,050	99,100	18,068	13,676	18,068	16,676			
93,100	93,150	16,640	12,367	16,640	15,248	96,100	96,150	17,360	13,027	17,360	15,968	99,100	99,150	18,080	13,687	18,080	16,688			
93,150	93,200	16,652	12,378	16,652	15,260	96,150	96,200	17,372	13,038	17,372	15,980	99,150	99,200	18,092	13,698	18,092	16,700			
93,200	93,250	16,664	12,389	16,664	15,272	96,200	96,250	17,384	13,049	17,384	15,992	99,200	99,250	18,104	13,709	18,104	16,712			
93,250	93,300	16,676	12,400	16,676	15,284	96,250	96,300	17,396	13,060	17,396	16,004	99,250	99,300	18,116	13,720	18,116	16,724			
93,300	93,350	16,688	12,411	16,688	15,296	96,300	96,350	17,408	13,071	17,408	16,016	99,300	99,350	18,128	13,731	18,128	16,736			
93,350	93,400	16,700	12,422	16,700	15,308	96,350	96,400	17,420	13,082	17,420	16,028	99,350	99,400	18,140	13,742	18,140	16,748			
93,400	93,450	16,712	12,433	16,712	15,320	96,400	96,450	17,432	13,093	17,432	16,040	99,400	99,450	18,152	13,753	18,152	16,760			
93,450	93,500	16,724	12,444	16,724	15,332	96,450	96,500	17,444	13,104	17,444	16,052	99,450	99,500	18,164	13,764	18,164	16,772			
93,500	93,550	16,736	12,455	16,736	15,344	96,500	96,550	17,456	13,115	17,456	16,064	99,500	99,550	18,176	13,775	18,176	16,784			
93,550	93,600	16,748	12,466	16,748	15,356	96,550	96,600	17,468	13,126	17,468	16,076	99,550	99,600	18,188	13,786	18,188	16,796			
93,600	93,650	16,760	12,477	16,760	15,368	96,600	96,650	17,480	13,137	17,480	16,088	99,600	99,650	18,200	13,797	18,200	16,808			
93,650	93,700	16,772	12,488	16,772	15,380	96,650	96,700	17,492	13,148	17,492	16,100	99,650	99,700	18,212	13,808	18,212	16,820			
93,700	93,750	16,784	12,499	16,784	15,392	96,700	96,750	17,504	13,159	17,504	16,112	99,700	99,750	18,224	13,819	18,224	16,832			
93,750	93,800	16,796	12,510	16,796	15,404	96,750	96,800	17,516	13,170	17,516	16,124	99,750	99,800	18,236	13,830	18,236	16,844			
93,800	93,850	16,808	12,521	16,808	15,416	96,800	96,850	17,528	13,181	17,528	16,136	99,800	99,850	18,248	13,841	18,248	16,856			
93,850	93,900	16,820	12,532	16,820	15,428	96,850	96,900	17,540	13,192	17,540	16,148	99,850	99,900	18,260	13,852	18,260	16,868			
93,900	93,950	16,832	12,543	16,832	15,440	96,900	96,950	17,552	13,203	17,552	16,160	99,900	99,950	18,272	13,863	18,272	16,880			
93,950	94,000	16,844	12,554	16,844	15,452	96,950	97,000	17,564	13,214	17,564	16,172	99,950	100,000	18,284	13,874	18,284	16,892			
94,000						97,000						\$100,000 or over use the Tax Computation Worksheet								
94,000	94,050	16,856	12,565	16,856	15,464	97,000	97,050	17,576	13,225	17,576	16,184									
94,050	94,100	16,868	12,576	16,868	15,476	97,050	97,100	17,588	13,236	17,588	16,196									
94,100	94,150	16,880	12,587	16,880	15,488	97,100	97,150	17,600	13,247	17,600	16,208									
94,150	94,200	16,892	12,598	16,892	15,500	97,150	97,200	17,612	13,258	17,612	16,220									
94,200	94,250	16,904	12,609	16,904	15,512	97,200	97,250	17,624	13,269	17,624	16,232									
94,250	94,300	16,916	12,620	16,916	15,524	97,250	97,300	17,636	13,280	17,636	16,244									
94,300	94,350	16,928	12,631	16,928	15,536	97,300	97,350	17,648	13,291	17,648	16,256									
94,350	94,400	16,940	12,642	16,940	15,548	97,350	97,400	17,660	13,302	17,660	16,268									
94,400	94,450	16,952	12,653	16,952	15,560	97,400	97,450	17,672	13,313	17,672	16,280									
94,450	94,500	16,964	12,664	16,964	15,572	97,450	97,500	17,684	13,324	17,684	16,292									
94,500	94,550	16,976	12,675	16,976	15,584	97,500	97,550	17,696	13,335	17,696	16,304									
94,550	94,600	16,988	12,686	16,988	15,596	97,550	97,600	17,708	13,346	17,708	16,316									
94,600	94,650	17,000	12,697	17,000	15,608	97,600	97,650	17,720	13,357	17,720	16,328									
94,650	94,700	17,012	12,708	17,012	15,620	97,650	97,700	17,732	13,368	17,732	16,340									
94,700	94,750	17,024	12,719	17,024	15,632	97,700	97,750	17,744	13,379	17,744	16,352									
94,750	94,800	17,036	12,730	17,036	15,644	97,750	97,800	17,756	13,390	17,756	16,364									
94,800	94,850	17,048	12,741	17,048	15,656	97,800	97,850	17,768	13,401	17,768	16,376									
94,850	94,900	17,060	12,752	17,060	15,668	97,850	97,900	17,780	13,412	17,780	16,388									
94,900	94,950	17,072	12,763	17,072	15,680	97,900	97,950	17,792	13,423	17,792	16,400									
94,950	95,000	17,084	12,774	17,084	15,692	97,950	98,000	17,804	13,434	17,804	16,412									
95,000						98,000														
95,000	95,050	17,096	12,785	17,096	15,704	98,000	98,050	17,816	13,445	17,816	16,424									
95,050	95,100	17,108	12,796	17,108	15,716	98,050	98,100	17,828	13,456	17,828	16,436									
95,100	95,150	17,120	12,807	17,120	15,728	98,100	98,150	17,840	13,467	17,840	16,448									
95,150	95,200	17,132	12,818	17,132	15,740	98,150	98,200	17,852	13,478	17,852	16,460									
95,200	95,250	17,144	12,829	17,144	15,752	98,200	98,250	17,864	13,489	17,864	16,472									
95,250	95,300	17,156	12,840	17,156	15,764	98,250	98,300	17,876	13,500	17,876	16,484									
95,300	95,350	17,168	12,851	17,168	15,776	98,300	98,350	17,888	13,511	17,888	16,496									
95,350	95,400	17,180	12,862	17,180	15,788	98,350	98,400	17,900	13,522	17,900	16,508									
95,400	95,450	17,192	12,873	17,192	15,800	98,400	98,450	17,912	13,533	17,912	16,520									
95,450	95,500	17,204	12,884	17,204	15,812	98,450	98,500	17,924	13,544	17,924	16,532									
95,500	95,550	17,216	12,895	17,216	15,824	98,500	98,550	17,936	13,555	17,936	16,544									
95,550	95,600	17,228	12,906	17,228	15,836	98,550	98,600	17,948	13,566	17,948	16,556									
95,600	95,650	17,240	12,917	17,240	15,848	98,600	98,650	17,960	13,577	17,960	16,568									
95,650	95,700	17,252	12,928	17,252	15,860	98,650	98,700	17,972	13,588	17,972	16,580									
95,700	95,750	17,264	12,939	17,264	15,872	98,700	98,750	17,984	13,599	17,984	16,592									
95,750	95,800	17,276	12,950	17,276	15,884	98,750	98,800	17,996	13,610	17,996	16,604									
95,800	95,850	17,288	12,961	17,288	15,896	98,800	98,850	18,008	13,621	18,008	16,616									
95,850	95,900	17,300	12,972	17,300	15,908	98,850	98,900	18,020	13,632	18,020	16,628									
95,900	95,950	17,312	12,983	17,312	15,920	98,900	98,950	18,032	13,643	18,032	16,640									
95,950	96,000	17,324	12,994	17,324	15,932	98,950	99,000	18,044	13,654	18,044	16,652									

* This column must also be used by a qualifying widow(er).

2018 Tax Computation Worksheet—Line 11a



See the instructions for line 11a to see if you must use the worksheet below to figure your tax.

Note. If you are required to use this worksheet to figure the tax on an amount from another form or worksheet, such as the Qualified Dividends and Capital Gain Tax Worksheet, the Schedule D Tax Worksheet, Schedule J, Form 8615, or the Foreign Earned Income Tax Worksheet, enter the amount from that form or worksheet in column (a) of the row that applies to the amount you are looking up. Enter the result on the appropriate line of the form or worksheet that you are completing.

Section A—Use if your filing status is **Single**. Complete the row below that applies to you.

Taxable income. If line 10 is—	(a) Enter the amount from line 10	(b) Multiplication amount	(c) Multiply (a) by (b)	(d) Subtraction amount	Tax. Subtract (d) from (c). Enter the result here and on the entry space on line 11a.
At least \$100,000 but not over \$157,500	\$	× 24% (0.24)	\$	\$ 5,710.50	\$
Over \$157,500 but not over \$200,000	\$	× 32% (0.32)	\$	\$ 18,310.50	\$
Over \$200,000 but not over \$500,000	\$	× 35% (0.35)	\$	\$ 24,310.50	\$
Over \$500,000	\$	× 37% (0.37)	\$	\$ 34,310.50	\$

Section B—Use if your filing status is **Married filing jointly** or **Qualifying widow(er)**. Complete the row below that applies to you.

Taxable income. If line 10 is—	(a) Enter the amount from line 10	(b) Multiplication amount	(c) Multiply (a) by (b)	(d) Subtraction amount	Tax. Subtract (d) from (c). Enter the result here and on the entry space on line 11a.
At least \$100,000 but not over \$165,000	\$	× 22% (0.22)	\$	\$ 8,121.00	\$
Over \$165,000 but not over \$315,000	\$	× 24% (0.24)	\$	\$ 11,421.00	\$
Over \$315,000 but not over \$400,000	\$	× 32% (0.32)	\$	\$ 36,621.00	\$
Over \$400,000 but not over \$600,000	\$	× 35% (0.35)	\$	\$ 48,621.00	\$
Over \$600,000	\$	× 37% (0.37)	\$	\$ 60,621.00	\$

Section C—Use if your filing status is **Married filing separately**. Complete the row below that applies to you.

Taxable income. If line 10 is—	(a) Enter the amount from line 10	(b) Multiplication amount	(c) Multiply (a) by (b)	(d) Subtraction amount	Tax. Subtract (d) from (c). Enter the result here and on the entry space on line 11a.
At least \$100,000 but not over \$157,500	\$	× 24% (0.24)	\$	\$ 5,710.50	\$
Over \$157,500 but not over \$200,000	\$	× 32% (0.32)	\$	\$ 18,310.50	\$
Over \$200,000 but not over \$300,000	\$	× 35% (0.35)	\$	\$ 24,310.50	\$
Over \$300,000	\$	× 37% (0.37)	\$	\$ 30,310.50	\$

Section D—Use if your filing status is **Head of household**. Complete the row below that applies to you.

Taxable income. If line 10 is—	(a) Enter the amount from line 10	(b) Multiplication amount	(c) Multiply (a) by (b)	(d) Subtraction amount	Tax. Subtract (d) from (c). Enter the result here and on the entry space on line 11a.
At least \$100,000 but not over \$157,500	\$	× 24% (0.24)	\$	\$ 7,102.00	\$
Over \$157,500 but not over \$200,000	\$	× 32% (0.32)	\$	\$ 19,702.00	\$
Over \$200,000 but not over \$500,000	\$	× 35% (0.35)	\$	\$ 25,702.00	\$
Over \$500,000	\$	× 37% (0.37)	\$	\$ 35,702.00	\$

General Information

The IRS Mission. Provide America's taxpayers top-quality service by helping them understand and meet their tax responsibilities and enforce the law with integrity and fairness to all.

How To Avoid Common Mistakes

Mistakes can delay your refund or result in notices being sent to you. One of the best ways to file an accurate return is to file electronically. Tax software does the math for you and will help you avoid mistakes. You may be eligible to use free tax software that will take the guesswork out of preparing your return. Free File makes available free brand-name software and free *e-file*. Visit [IRS.gov/FreeFile](https://www.irs.gov/FreeFile) for details. Join the eight in 10 taxpayers who get their refunds faster by using direct deposit and *e-file*.

- File your return on a standard size sheet of paper. Cutting the paper may cause problems in processing your return.
- Make sure you entered the correct name and social security number (SSN) for each dependent you claim in the *Dependents* section. Check that each dependent's name and SSN agrees with his or her social security card. For each child under age 17 who is a qualifying child for the child tax credit or each dependent who qualifies for the credit for other dependents, make sure you checked the appropriate box in column (4) of the *Dependents* section.
- Check your math, especially for the child tax credit, earned income credit (EIC), taxable social security benefits, total income, itemized deductions or standard deduction, taxable income, total tax, federal income tax withheld, and refund or amount you owe.
- Be sure to add the correct amounts on the front of Form 1040. Some lines require you to add across instead of down and some lines require you to add amounts from another form or schedule and then enter the total on Form 1040. For example, on line 17, you might have to enter amounts from Schedule 8812 on line 17b and amounts from Form 8863 on line 17c and add those amounts to the amount from Schedule 5, line 75, and

enter the total of all those amounts in the line 17 entry space.

- Be sure you used the correct method to figure your tax. See the instructions for line 11a.
- Be sure to enter your SSN in the space provided on page 1 of Form 1040. If you are married filing a joint or separate return, also enter your spouse's SSN. Be sure to enter your SSN in the space next to your name. Check that your name and SSN agree with your social security card.
- Make sure your name and address are correct. Enter your (and your spouse's) name in the same order as shown on your last return.
- If you live in an apartment, be sure to include your apartment number in your address.
- If you are taking the standard deduction, see the instructions for line 8 to be sure you entered the correct amount.
- If you received capital gain distributions but weren't required to file Schedule D, make sure you checked the box on Schedule 1, line 13.
- If you are taking the EIC, be sure you used the correct column of the EIC Table for your filing status and the number of children you have.
- Remember to sign and date Form 1040 and enter your occupation(s).
- Attach your Form(s) W-2 and other required forms and schedules. Put all forms and schedules in the proper order. See *Assemble Your Return*, earlier.
- If you owe tax and are paying by check or money order, be sure to include all the required information on your payment. See the instructions for line 22 for details.
- Make sure to check *Where Do You File?* before mailing your return. Over the next several years, the IRS will be reducing the number of paper tax return processing sites from five down to two. Because of this, you may need to mail your return to a different address than you have in the past.
- Don't file more than one original return for the same year, even if you

haven't gotten your refund or haven't heard from the IRS since you filed. Filing more than one original return for the same year, or sending in more than one copy of the same return (unless we ask you to do so), could delay your refund.

- Make sure you either indicate qualifying health care coverage or exempt for you, your spouse (if filing jointly), or anyone you can or do claim as a dependent by checking the "Full-year health care coverage or exempt" box on page 1 of Form 1040 or by making a shared responsibility payment on Schedule 4, line 61. You may be able to reduce any shared responsibility payment you owe by attaching Form 8965 and claiming an exemption from the requirement to have health care coverage for one or more months.

- Make sure that if you, your spouse, with whom you are filing a joint return, or your dependent was enrolled in Marketplace coverage and advance payments of the premium tax credit were made for the coverage, that you attach Form 8962. You may have to repay excess advance payments even if someone else enrolled you, your spouse, or your dependent in the Marketplace coverage. Excess advance payments may also have to be repaid if you enrolled someone in Marketplace coverage, you don't claim that individual as a dependent, and no one else claims that individual as a dependent. See the instructions for Schedule 2, line 46, and the Instructions for Form 8962. You or whoever enrolled you should have received Form 1095-A from the Marketplace with information about who was covered and any advance payments of the premium tax credit.

Innocent Spouse Relief

Generally, both you and your spouse are each responsible for paying the full amount of tax, interest, and penalties on your joint return. However, you may qualify for relief from liability for tax on a joint return if (a) there is an understatement of tax because your spouse

omitted income or claimed false deductions or credits; (b) you are divorced, separated, or no longer living with your spouse; or (c) given all the facts and circumstances, it wouldn't be fair to hold you liable for the tax. You also may qualify for relief if you were a married resident of a community property state but didn't file a joint return and are now liable for an unpaid or understated tax. File Form 8857 to request relief. In some cases, Form 8857 may need to be filed within 2 years of the date on which the IRS first attempted to collect the tax from you. Don't file Form 8857 with your Form 1040. For more information, see Pub. 971 and Form 8857, or you can call the Innocent Spouse office toll free at 1-855-851-2009.

Income Tax Withholding and Estimated Tax Payments for 2019

 You can use the [IRS Withholding Calculator](#) instead of Pub. 505 or the worksheets included with Form W-4 or W-4P, to determine whether you need to have your withholding increased or decreased.

In general, you don't have to make estimated tax payments if you expect that your 2019 Form 1040 will show a tax refund or a tax balance due of less than \$1,000. If your total estimated tax for 2019 is \$1,000 or more, see Form 1040-ES and Pub. 505 for a worksheet you can use to see if you have to make estimated tax payments. For more details, see Pub. 505.

Secure Your Tax Records From Identity Theft

Identity theft occurs when someone uses your personal information, such as your name, social security number (SSN), or other identifying information, without your permission, to commit fraud or other crimes. An identity thief may use your SSN to get a job or may file a tax return using your SSN to receive a refund.

To reduce your risk:

- Protect your SSN,

- Ensure your employer is protecting your SSN, and
- Be careful when choosing a tax return preparer.

If your tax records are affected by identity theft and you receive a notice from the IRS, respond right away to the name and phone number printed on the IRS notice or letter. For more information, see Pub. 5027.

If your SSN has been lost or stolen or you suspect you are a victim of tax-related identity theft, visit [IRS.gov/IdentityTheft](#) to learn what steps you should take.

Victims of identity theft who are experiencing economic harm or a systemic problem, or are seeking help in resolving tax problems that haven't been resolved through normal channels, may be eligible for Taxpayer Advocate Service (TAS) assistance. You can reach TAS by calling the National Taxpayer Advocate helpline at 1-877-777-4778. People who are deaf, hard of hearing, or have a speech disability and who have access to TTY/TDD equipment can call 1-800-829-4059. Deaf or hard-of-hearing individuals also can contact the IRS through relay services such as the Federal Relay Service available at [www.gsa.gov/fedrelay](#).

Protect yourself from suspicious emails or phishing schemes. Phishing is the creation and use of email and websites designed to mimic legitimate business emails and websites. The most common form is sending an email to a user falsely claiming to be an established legitimate enterprise in an attempt to scam the user into surrendering private information that will be used for identity theft.

The IRS doesn't initiate contacts with taxpayers via emails. Also, the IRS doesn't request detailed personal information through email or ask taxpayers for the PIN numbers, passwords, or similar secret access information for their credit card, bank, or other financial accounts.

If you receive an unsolicited email claiming to be from the IRS, forward the message to [phishing@irs.gov](#). You also may report misuse of the IRS name, logo, forms, or other IRS property to the Treasury Inspector General for Tax Ad-

ministration toll free at 1-800-366-4484. People who are deaf, hard of hearing, or have a speech disability and who have access to TTY/TDD equipment can call 1-800-877-8339. You can forward suspicious emails to the Federal Trade Commission (FTC) at [spam@uce.gov](#) or report them at [ftc.gov/complaint](#). You can contact them at [www.ftc.gov/idtheft](#) or 1-877-IDTHEFT (1-877-438-4338). If you have been the victim of identity theft, see [www.IdentityTheft.gov](#) and Pub. 5027. People who are deaf, hard of hearing, or have a speech disability and who have access to TTY/TDD equipment can call 1-866-653-4261.

Visit IRS.gov and enter "identity theft" in the search box to learn more about identity theft and how to reduce your risk.

W-2 verification code. A "verification code" box will appear on Form W-2, but not all W-2s will have a 16-digit code in box 9. If you *e-file* and your W-2 has a verification code in box 9, enter it when prompted by your tax software. Do not enter the verification code if you file your return on paper.

How Do You Make a Gift To Reduce Debt Held By the Public?

If you wish to do so, make a check payable to "Bureau of the Fiscal Service." You can send it to: Bureau of the Fiscal Service, Attn: Dept G, P.O. Box 2188, Parkersburg, WV 26106-2188. Or you can enclose the check with your income tax return when you file. In the memo section of the check, make a note that it is a gift to reduce the debt held by the public. Don't add your gift to any tax you may owe. See the instructions for line 22 for details on how to pay any tax you owe. For information on how to make this type of gift online, go to [www.treasurydirect.gov](#) and click on "How To Make a Contribution to Reduce the Debt."

 You may be able to deduct this gift on your 2019 tax return.

How Long Should Records Be Kept?

Keep a copy of your tax return, worksheets you used, and records of all items appearing on it (such as Forms W-2 and 1099) until the statute of limitations runs out for that return. Usually, this is 3 years from the date the return was due or filed or 2 years from the date the tax was paid, whichever is later. You should keep some records longer. For example, keep property records (including those on your home) as long as they are needed to figure the basis of the original or replacement property. For more details, see chapter 1 of Pub. 17.

Amended Return

File Form 1040X to change a return you already filed. Generally, Form 1040X must be filed within 3 years after the date the original return was filed or within 2 years after the date the tax was paid, whichever is later. But you may have more time to file Form 1040X if you live in a federally declared disaster area or you are physically or mentally unable to manage your financial affairs. See Pub. 556 for details.

Use the [Where's My Amended Return](#) application on IRS.gov to track the status of your amended return. It can take up to 3 weeks from the date you mailed it to show up in our system.

Need a Copy of Your Tax Return Information?

Tax return transcripts are free and generally are used to validate income and tax filing status for mortgage applications, student and small business loan applications, and during tax return preparation. To get a free transcript:

- Visit [IRS.gov/Transcript](#),
- Use Form 4506-T or 4506T-EZ, or
- Call us at 1-800-908-9946.

If you need a copy of your actual tax return, use Form 4506. There is a fee for each return requested. See Form 4506 for the current fee. If your main home, principal place of business, or tax records are located in a federally declared disaster area, this fee will be waived.

Death of a Taxpayer

If a taxpayer died before filing a return for 2018, the taxpayer's spouse or personal representative may have to file and sign a return for that taxpayer. A personal representative can be an executor, administrator, or anyone who is in charge of the deceased taxpayer's property. If the deceased taxpayer didn't have to file a return but had tax withheld, a return must be filed to get a refund. The person who files the return must enter "Deceased," the deceased taxpayer's name, and the date of death across the top of the return. If this information isn't provided, it may delay the processing of the return.

If your spouse died in 2018 and you didn't remarry in 2018, or if your spouse died in 2019 before filing a return for 2018, you can file a joint return. A joint return should show your spouse's 2018 income before death and your income for all of 2018. Enter "Filing as surviving spouse" in the area where you sign the return. If someone else is the personal representative, he or she also must sign.

The surviving spouse or personal representative should promptly notify all payers of income, including financial institutions, of the taxpayer's death. This will ensure the proper reporting of income earned by the taxpayer's estate or heirs. A deceased taxpayer's social security number shouldn't be used for tax years after the year of death, except for estate tax return purposes.

Claiming a Refund for a Deceased Taxpayer

If you are filing a joint return as a surviving spouse, you only need to file the tax return to claim the refund. If you are a court-appointed representative, file the return and include a copy of the certificate that shows your appointment. All other filers requesting the deceased taxpayer's refund must file the return and attach Form 1310.

For more details, use [Tax Topic 356](#) or see Pub. 559.

Past Due Returns

If you or someone you know needs to file past due tax returns, use [Tax Topic](#)

[153](#) or go to [IRS.gov/Individuals](#) for help in filing those returns. Send the return to the address that applies to you in the latest Form 1040 instructions. For example, if you are filing a 2015 return in 2019, use the address at the end of these instructions. However, if you got an IRS notice, mail the return to the address in the notice.

How To Get Tax Help

If you have questions about a tax issue, need help preparing your tax return, or want to download free publications, forms, or instructions, go to IRS.gov and find resources that can help you right away.

Preparing and filing your tax return. Find free options to prepare and file your return on IRS.gov or in your local community if you qualify.

The Volunteer Income Tax Assistance (VITA) program offers free tax help to people who generally make \$55,000 or less, persons with disabilities, and limited-English-speaking taxpayers who need help preparing their own tax returns. The Tax Counseling for the Elderly (TCE) program offers free tax help for all taxpayers, particularly those who are 60 years of age and older. TCE volunteers specialize in answering questions about pensions and retirement-related issues unique to seniors.

You can go to IRS.gov to see your options for preparing and filing your return which include the following.

- **Free File.** Go to [IRS.gov/FreeFile](#). See if you qualify to use brand-name software to prepare and *e-file* your federal tax return for free.

- **VITA.** Go to [IRS.gov/VITA](#), download the free IRS2Go app, or call 1-800-906-9887 to find the nearest VITA location for free tax return preparation.

- **TCE.** Go to [IRS.gov/TCE](#), download the free IRS2Go app, or call 1-888-227-7669 to find the nearest TCE location for free tax return preparation.

Getting answers to your tax law questions. On IRS.gov get answers to your tax questions anytime, anywhere.

- Go to [IRS.gov/Help](#) for a variety of tools that will help you get answers to some of the most common tax questions.

- Go to [IRS.gov/ITA](https://www.irs.gov/ITA) for the Interactive Tax Assistant, a tool that will ask you questions on a number of tax law topics and provide answers. You can print the entire interview and the final response for your records.

- Go to [IRS.gov/Pub17](https://www.irs.gov/pub17) to get Pub. 17, Your Federal Income Tax for Individuals, which features details on tax-saving opportunities, 2018 tax changes, and thousands of interactive links to help you find answers to your questions. View it online in HTML, as a PDF, or download it to your mobile device as an eBook.

- You also may be able to access tax law information in your electronic filing software.

Getting tax forms and publications. Go to [IRS.gov/Forms](https://www.irs.gov/Forms) to view, download, or print all of the forms and publications you may need. You also can download and view popular tax publications and instructions (including the 1040 instructions) on mobile devices as an eBook at no charge. Or, you can go to [IRS.gov/OrderForms](https://www.irs.gov/OrderForms) to place an order and have forms mailed to you within 10 business days.

Access your online account (Individual taxpayers only). Go to [IRS.gov/Account](https://www.irs.gov/Account) to securely access information about your federal tax account.

- View the amount you owe, pay online, or set up an online payment agreement.

- Access your tax records online.

- Review the past 24 months of your payment history.

- Go to [IRS.gov/SecureAccess](https://www.irs.gov/SecureAccess) to review the required identity authentication process.

Using direct deposit. The fastest way to receive a tax refund is to combine direct deposit and IRS *e-file*. Direct deposit securely and electronically transfers your refund directly into your financial account. Eight in 10 taxpayers use direct deposit to receive their refund. IRS issues more than 90% of refunds in less than 21 days.

Refund timing for returns claiming certain credits. The IRS can't issue refunds before mid-February 2019 for returns that claimed the earned income credit (EIC) or the additional child tax credit (ACTC). This applies to the entire

refund, not just the portion associated with these credits.

Getting a transcript or copy of a return. The quickest way to get a copy of your tax transcript is to go to [IRS.gov/Transcripts](https://www.irs.gov/Transcripts). Click on either "Get Transcript Online" or "Get Transcript by Mail" to order a copy of your transcript. If you prefer, you can:

- Order your transcript by calling 1-800-908-9946.

- Mail Form 4506-T or Form 4506T-EZ (both available on IRS.gov).

Using online tools to help prepare your return. Go to [IRS.gov/Tools](https://www.irs.gov/Tools) for the following.

- The [Earned Income Tax Credit Assistant \(IRS.gov/EIC\)](https://www.irs.gov/EIC) determines if you are eligible for the EIC.

- The [Online EIN Application \(IRS.gov/EIN\)](https://www.irs.gov/EIN) helps you get an employer identification number.

- The [IRS Withholding Calculator \(IRS.gov/W4App\)](https://www.irs.gov/W4App) estimates the amount you should have withheld from your paycheck for federal income tax purposes.

- The [First Time Homebuyer Credit Account Look-up \(IRS.gov/Homebuyer\)](https://www.irs.gov/Homebuyer) tool provides information on your repayments and account balance.

- The [Sales Tax Deduction Calculator \(IRS.gov/SalesTax\)](https://www.irs.gov/SalesTax) figures the amount you can claim if you itemize deductions on Schedule A (Form 1040), choose not to claim state and local income taxes, and you didn't save your receipts showing the sales tax you paid.

Resolving tax-related identity theft issues.

- The IRS doesn't initiate contact with taxpayers by email or telephone to request personal or financial information. This includes any type of electronic communication, such as text messages and social media channels.

- Go to [IRS.gov/IDProtection](https://www.irs.gov/IDProtection) for information and videos.

- If your SSN has been lost or stolen or you suspect you are a victim of tax-related identity theft, visit [IRS.gov/ID](https://www.irs.gov/ID) to learn what steps you should take.

- See *Secure Your Tax Records From Identity Theft* under *General Information*, earlier.

Checking on the status of your refund.

- Go to [IRS.gov/Refunds](https://www.irs.gov/Refunds).

- The IRS can't issue refunds before mid-February 2019 for returns that claimed the EIC or ACTC. This applies to the entire refund, not just the portion associated with these credits.

- Download the official IRS2Go app to your mobile device to check your refund status.

- Call the automated refund hotline at 1-800-829-1954. See *Refund Information*, later.

Making a tax payment. The IRS uses the latest encryption technology to ensure your electronic payments are safe and secure. You can make electronic payments online, by phone, and from a mobile device using the IRS2Go app. Paying electronically is quick, easy, and faster than mailing in a check or money order. Go to [IRS.gov/Payments](https://www.irs.gov/Payments) to make a payment using any of the following options.

- **IRS Direct Pay:** Pay your individual tax bill or estimated tax payment directly from your checking or savings account at no cost to you.

- **Debit or credit card:** Choose an approved payment processor to pay online, by phone, and by mobile device.

- **Electronic Funds Withdrawal:** Offered only when filing your federal taxes using tax return preparation software or through a tax professional.

- **Electronic Federal Tax Payment System:** Best option for businesses. Enrollment is required.

- **Check or money order:** Mail your payment to the address listed on the notice or instructions.

- **Cash:** You may be able to pay your taxes with cash at a participating retail store.

What if I can't pay now? Go to [IRS.gov/Payments](https://www.irs.gov/Payments) for more information about your options.

- Apply for an [online payment agreement \(IRS.gov/OPA\)](https://www.irs.gov/OPA) to meet your tax obligation in monthly installments if you can't pay your taxes in full today. Once you complete the online process, you will receive immediate notification of whether your agreement has been approved.

- Use the [Offer in Compromise Pre-Qualifier \(IRS.gov/OIC\)](https://www.irs.gov/OIC) to see if you can settle your tax debt for less than the full amount you owe.

Checking the status of an amended return. Go to [IRS.gov/WMAR](https://www.irs.gov/WMAR) to track the status of Form 1040X amended returns. Please note that it can take up to 3 weeks from the date you mailed your amended return for it to show up in our system and processing it can take up to 16 weeks.

Understanding an IRS notice or letter. Go to [IRS.gov/Notices](https://www.irs.gov/Notices) to find additional information about responding to an IRS notice or letter.

Contacting your local IRS office. Keep in mind, many questions can be answered on IRS.gov without visiting an IRS Tax Assistance Center (TAC). Go to [IRS.gov/LetUsHelp](https://www.irs.gov/LetUsHelp) for the topics people ask about most. If you still need help, IRS TACs provide help when a tax issue can't be handled online or by phone. All TACs now provide service by appointment so you'll know in advance that you can get the service you need without long wait times. Before you visit, go to [IRS.gov/TACLocator](https://www.irs.gov/TACLocator) to find the nearest TAC, check hours, available services, and appointment options.

Watching IRS videos. The IRS Video portal [IRSVideos.gov](https://www.irs.gov/IRSVideos) contains video and audio presentations for individuals, small businesses, and tax professionals.

Getting tax information in other languages. For taxpayers whose native language isn't English, we have the following resources available. Taxpayers can find information on IRS.gov in the following languages.

- [Spanish \(IRS.gov/Spanish\)](https://www.irs.gov/Spanish).
- [Chinese \(IRS.gov/Chinese\)](https://www.irs.gov/Chinese).
- [Vietnamese \(IRS.gov/Vietnamese\)](https://www.irs.gov/Vietnamese).
- [Korean \(IRS.gov/Korean\)](https://www.irs.gov/Korean).

- [Russian \(IRS.gov/Russian\)](https://www.irs.gov/Russian).

The IRS TACs provide over-the-phone interpreter service in over 170 languages, and the service is available free to taxpayers.

Interest and Penalties

You don't have to figure the amount of any interest or penalties you may owe. We will send you a bill for any amount due.

If you choose to include interest or penalties (other than the estimated tax penalty) with your payment, identify and enter the amount in the bottom margin of Form 1040, page 2. Don't include interest or penalties (other than the estimated tax penalty) in the amount you owe on line 22.

Interest

We will charge you interest on taxes not paid by their due date, even if an extension of time to file is granted. We also will charge you interest on penalties imposed for failure to file, negligence, fraud, substantial or gross valuation misstatements, substantial understatements of tax, and reportable transaction understatements. Interest is charged on the penalty from the due date of the return (including extensions).

Penalties

Late filing. If you don't file your return by the due date (including extensions), the penalty is usually 5% of the amount due for each month or part of a month your return is late, unless you have a reasonable explanation. If you have a reasonable explanation for filing late, include it with your return. The penalty

can be as much as 25% of the tax due. The penalty is 15% per month, up to a maximum of 75%, if the failure to file is fraudulent. If your return is more than 60 days late, the minimum penalty will be \$210 or the amount of any tax you owe, whichever is smaller.

Late payment of tax. If you pay your taxes late, the penalty is usually $\frac{1}{2}$ of 1% of the unpaid amount for each month or part of a month the tax isn't paid. The penalty can be as much as 25% of the unpaid amount. It applies to any unpaid tax on the return. This penalty is in addition to interest charges on late payments.

Frivolous return. In addition to any other penalties, the law imposes a penalty of \$5,000 for filing a frivolous return. A frivolous return is one that doesn't contain information needed to figure the correct tax or shows a substantially incorrect tax because you take a frivolous position or desire to delay or interfere with the tax laws. This includes altering or striking out the preprinted language above the space where you sign. For a list of positions identified as frivolous, see Notice 2010-33, 2010-17 I.R.B. 609, available at [IRS.gov/irb/2010-17_IRB#NOT-2010-33](https://www.irs.gov/irb/2010-17_IRB#NOT-2010-33).

Other. Other penalties can be imposed for, among other things, negligence, substantial understatement of tax, reportable transaction understatements, filing an erroneous refund claim, and fraud. Criminal penalties may be imposed for willful failure to file, tax evasion, making a false statement, or identity theft. See Pub. 17 for details on some of these penalties.

Refund Information

where's my refund? To check the status of your refund, go to [IRS.gov/Refunds](https://www.irs.gov/Refunds) or use the free IRS2Go app, 24 hours a day, 7 days a week. Information about your refund generally will be available within 24 hours after the IRS receives your e-filed return, or 4 weeks after you mail a paper return. But if you filed Form 8379 with your return, allow 14 weeks (11 weeks if you filed electronically) before checking your refund status.

The IRS can't issue refunds before mid-February 2019 for returns that claim the earned income credit or the additional child tax credit. This delay applies to the entire refund, not just the portion associated with these credits.



To use *Where's My Refund*, have a copy of your tax return handy. You will need to enter the following information from your return:

- Your social security number (or individual taxpayer identification number),
- Your filing status, and
- The exact whole dollar amount of your refund.

Where's My Refund will provide an actual personalized refund date as soon as the IRS processes your tax return and approves your refund.



Updates to refund status are made once a day—usually at night.



If you don't have Internet access, you can call 1-800-829-1954, 24 hours a day, 7 days a week, for automated refund information. Our phone and walk-in assistors can research the status of your refund only if it's been 21 days or more since you filed electronically or more than 6 weeks since you mailed your paper return.

Don't send in a copy of your return unless asked to do so.

To get a refund, you generally must file your return within 3 years from the date the return was due (including extensions).

Where's My Refund doesn't track refunds that are claimed on an amended tax return.

Refund information also is available in Spanish at [IRS.gov/Spanish](https://www.irs.gov/Spanish) and 1-800-829-1954.

2018 Instructions for Schedule 1

Additional Income and Adjustments To Income

General Instructions

Use Schedule 1 to report income or adjustments to income that can't be entered directly on Form 1040. Additional income is entered on Schedule 1, lines 1 through 21, and generally includes the items that were listed in the "Income" section of the 2017 Form 1040. Adjustments to income are entered on Schedule 1, lines 23 through 36 and generally include items that were listed in the "Adjusted Gross Income" section of the 2017 Form 1040.

Add the amounts on Form 1040, lines 1, 2b, 3b, 4b, and 5b, and the amount on Schedule 1, line 22, and enter on Form 1040, line 6.

If you have adjustments to income, subtract the amount on Schedule 1, line 36, from the amount on Form 1040, line 6, and enter on Form 1040, line 7.

Additional Income



Lines 1 through 9b are shown as "Reserved." Entries for these lines are made directly on Form 1040.

Line 10

Taxable Refunds, Credits, or Offsets of State and Local Income Taxes



None of your refund is taxable if, in the year you paid the tax, you either (a) didn't itemize deductions, or (b) elected to deduct state and local general sales taxes instead of state and local income taxes.

If you received a refund, credit, or offset of state or local income taxes in 2018, you may be required to report this amount. If you didn't receive a Form 1099-G, check with the government agency that made the payments to you. Your 2018 Form 1099-G may have been

made available to you only in an electronic format, and you will need to get instructions from the agency to retrieve this document. Report any taxable refund you received even if you didn't receive Form 1099-G.

If you chose to apply part or all of the refund to your 2018 estimated state or local income tax, the amount applied is treated as received in 2018. If the refund was for a tax you paid in 2017 and you deducted state and local income taxes on line 5 of your 2017 Schedule A, use the State and Local Income Tax Refund Worksheet in these instructions to see if any of your refund is taxable.

Exception. See *Itemized Deduction Recoveries* in Pub. 525 instead of using the State and Local Income Tax Refund Worksheet in these instructions if any of the following applies.

1. You received a refund in 2018 that is for a tax year other than 2017.

2. You received a refund other than an income tax refund, such as a general sales tax or real property tax refund, in 2018 of an amount deducted or credit claimed in an earlier year.

3. The amount on your 2017 Form 1040, line 42, was more than the amount on your 2017 Form 1040, line 41.

4. You had taxable income on your 2017 Form 1040, line 43, but no tax on your Form 1040, line 44, because of the 0% tax rate on net capital gain and qualified dividends in certain situations.

5. Your 2017 state and local income tax refund is more than your 2017 state and local income tax deduction minus the amount you could have deducted as your 2017 state and local general sales taxes.

6. You made your last payment of 2017 estimated state or local income tax in 2018.

7. You owed alternative minimum tax in 2017.

8. You couldn't use the full amount of credits you were entitled to in 2017 because the total credits were more than

the amount shown on your 2017 Form 1040, line 47.

9. You could be claimed as a dependent by someone else in 2017.

10. You received a refund because of a jointly filed state or local income tax return, but you aren't filing a joint 2018 Form 1040 with the same person.

11. You had to use the Itemized Deductions Worksheet in the 2017 Instructions for Schedule A and both of the following apply.

a. You couldn't deduct all of the amount on the 2017 Itemized Deductions Worksheet, line 1.

b. The amount on line 8 of that 2017 worksheet would be more than the amount on line 4 of that worksheet if the amount on line 4 were reduced by 80% of the refund you received in 2018.

Line 11

Alimony Received

Enter amounts received as alimony or separate maintenance. You must let the person who made the payments know your social security number. If you don't, you may have to pay a penalty. For more details, see Pub. 504.



Alimony received will no longer be included in your income if you entered into a divorce or separation agreement on or before December 31, 2018, and the agreement is changed after December 31, 2018, to expressly provide that alimony received is not included in your income. Alimony received will also not be included in income if a divorce or separation agreement is entered into after December 31, 2018. For more information, see Pub. 504.

Line 12

Business Income or (Loss)

If you operated a business or practiced your profession as a sole proprietor, re-

port your income and expenses on Schedule C or C-EZ.

Line 13

Capital Gain or (Loss)

If you sold a capital asset, such as a stock or bond, you must complete and attach Form 8949 and Schedule D.

Exception 1. You do not have to file Form 8949 or Schedule D if you are not deferring any capital gain by investing in a qualified opportunity zone fund and both of the following apply:

1. You have no capital losses, and your only capital gains are capital gain distributions from Form(s) 1099-DIV, box 2a (or substitute statements); and
2. None of the Form(s) 1099-DIV (or substitute statements) have an amount in box 2b (unrecaptured section 1250 gain), box 2c (section 1202 gain), or box 2d (collectibles (28%) gain).

Exception 2. You must file Schedule D but generally don't have to file Form 8949 if *Exception 1* doesn't apply, you are not deferring any capital gain by investing in a qualified opportunity zone fund, and your only capital gains and losses are:

- Capital gain distributions;
- A capital loss carryover from 2017;
- A gain from Form 2439 or 6252 or Part I of Form 4797;
- A gain or loss from Form 4684, 6781, or 8824;
- A gain or loss from a partnership, S corporation, estate, or trust; or
- Gains and losses from transactions for which you received a Form 1099-B (or substitute statement) that shows basis was reported to the IRS and for which you don't need to make any adjustments in column (g) of Form 8949 or enter any codes in column (f) of Form 8949.

If *Exception 1* applies, enter your total capital gain distributions (from box 2a of Form(s) 1099-DIV) on line 13 and check the box on that line. If you received capital gain distributions as a nominee (that is, they were paid to you but actually belong to someone else), report on line 13 only the amount that belongs to you. Include a statement show-

ing the full amount you received and the amount you received as a nominee. See the Schedule B instructions for filing requirements for Forms 1099-DIV and 1096.



TIP If you don't have to file Schedule D, use the *Qualified Dividends and Capital Gain Tax Worksheet* in the line 11a instructions to figure your tax.

Line 14

Other Gains or (Losses)

If you sold or exchanged assets used in a trade or business, see the Instructions for Form 4797.



TIP Lines 15a and b, and 16a and b, are shown as "Reserved." IRAs, pensions, and annuities are reported directly on Form 1040. See the instructions for Form 1040, lines 4a and 4b.

Line 19

Unemployment Compensation

You should receive a Form 1099-G showing in box 1 the total unemployment compensation paid to you in 2018. Report this amount on line 19. However, if you made contributions to a governmental unemployment compensation program or to a governmental paid family leave program and you aren't itemizing deductions, reduce the amount you report on line 19 by those contributions. If you are itemizing deductions, see the instructions on Form 1099-G.

If you received an overpayment of unemployment compensation in 2018 and you repaid any of it in 2018, subtract the amount you repaid from the total amount you received. Enter the result on line 19. Also, enter "Repaid" and the amount you repaid on the dotted line next to line 19. If, in 2018, you repaid more than \$3,000 of unemployment compensation that you included in gross income in an earlier year, see *Repayments* in Pub. 525 for details on how to report the payment.



TIP Lines 20a and b are shown as "Reserved." Social security benefits are reported directly on Form 1040. See the instructions for Form 1040, lines 5a and 5b.

Line 21

Other Income



CAUTION Do not report on this line any income from self-employment or fees received as a notary public. Instead, you must use Schedule C, C-EZ, or F, even if you don't have any business expenses. Also, don't report on line 21 any nonemployee compensation shown on Form 1099-MISC (unless it isn't self-employment income, such as income from a hobby or a sporadic activity). Instead, see the instructions on Form 1099-MISC to find out where to report that income.

Taxable income. Use line 21 to report any taxable income not reported elsewhere on your return or other schedules. List the type and amount of income. If necessary, include a statement showing the required information. For more details, see *Miscellaneous Income* in Pub. 525.

Examples of income to report on line 21 include the following.

- Most prizes and awards. But see *Olympic and Paralympic medals and USOC prize money*, later.
- Jury duty pay. Also see the instructions for line 36.
- Alaska Permanent Fund dividends.
- Reimbursements or other amounts received for items deducted in an earlier year, such as medical expenses, real estate taxes, general sales taxes, or home mortgage interest. See *Recoveries* in Pub. 525 for details on how to figure the amount to report.
- Income from the rental of personal property if you engaged in the rental for profit but were not in the business of renting such property. Also see the instructions for line 36.
- Income from an activity not engaged in for profit. See Pub. 535.
- Amounts deemed to be income from a health savings account (HSA) because you didn't remain an eligible individual during the testing period. See Form 8889, Part III.

State and Local Income Tax Refund Worksheet—Schedule 1, Line 10

Before you begin: ✓ Be sure you have read the *Exception* in the instructions for this line to see if you can use this worksheet instead of Pub. 525 to figure if any of your refund is taxable.

1. Enter the income tax refund from **Form(s) 1099-G** (or similar statement). But **don't** enter more than the amount of your state and local income taxes shown on your 2017 Schedule A, line 5 **1.**

2. Enter your total itemized deductions from your 2017 Schedule A, line 29 **2.**

Note. If the filing status on your 2017 Form 1040 was married filing separately and your spouse itemized deductions in 2017, skip lines 3 through 5, enter the amount from line 2 on line 6, and go to line 7.

3. Enter the amount shown below for the filing status claimed on your **2017 Form 1040.**

- Single or married filing separately—\$6,350
 - Married filing jointly or qualifying widow(er)—\$12,700
 - Head of household—\$9,350
- } **3.**

4. Did you fill in line 39a on your 2017 Form 1040?

- No.** Enter -0-.
 - Yes.** Multiply the number in the box on line 39a of your 2017 Form 1040 by \$1,250 (\$1,550 if your 2017 filing status was single or head of household).
- } **4.**

5. Add lines 3 and 4 **5.**

6. Is the amount on line 5 less than the amount on line 2?

No.  None of your refund is taxable.

Yes. Subtract line 5 from line 2 **6.**

7. **Taxable part of your refund.** Enter the **smaller** of line 1 or line 6 here and on Schedule 1, line 10 **7.**

- Gambling winnings, including lotteries, raffles, a lump-sum payment from the sale of a right to receive future lottery payments, etc. For details on gambling losses, see the instructions for Schedule A, line 16.



Attach Form(s) W-2G to Form 1040 if any federal income tax was withheld.

- Reemployment trade adjustment assistance (RTAA) payments. These payments should be shown in box 5 of Form 1099-G.

- Loss on certain corrective distributions of excess deferrals. See *Retirement Plan Contributions* in Pub. 525.

- Dividends on insurance policies if they exceed the total of all net premiums you paid for the contract.

- Recapture of a charitable contribution deduction relating to the contribution of a fractional interest in tangible personal property. See *Fractional Interest in Tangible Personal Property* in Pub. 526. Interest and an additional 10% tax apply to the amount of the recapture. See the instructions for Schedule 4, line 62.

- Recapture of a charitable contribution deduction if the charitable organization disposes of the donated property within 3 years of the contribution. See *Recapture if no exempt use* in Pub. 526.

- Canceled debts. These amounts may be shown in box 2 of Form 1099-C. However, part or all of your income from the cancellation of debt may be nontaxable. See Pub. 4681 or go to IRS.gov and enter “canceled debt” or “foreclosure” in the search box.

- Taxable part of disaster relief payments. See Pub. 525 to figure the taxable part, if any. If any of your disaster relief payment is taxable, attach a statement showing the total payment received and how you figured the taxable part.

- Taxable distributions from a Coverdell education savings account (ESA) or a qualified tuition program (QTP). Distributions from these accounts may be taxable if (a) in the case of distributions from a QTP, they are more than the qualified higher education expenses of the designated beneficiary in 2018 or, in the case of distributions from an ESA, they are more than the qualified education expenses of the designated beneficiary in 2018, and (b) they were not in-

cluded in a qualified rollover. Nontaxable distributions from these accounts don't have to be reported on Form 1040. This includes rollovers and qualified higher education expenses refunded to a student from a QTP that were recontributed to a QTP with the same designated beneficiary within 60 days after the date of refund. See Pub. 970.



You may have to pay an additional tax if you received a taxable distribution from a Coverdell ESA or a QTP. See the Instructions for Form 5329.

- Taxable distributions from a health savings account (HSA) or an Archer MSA. Distributions from these accounts may be taxable if (a) they are more than the unreimbursed qualified medical expenses of the account beneficiary or account holder in 2018, and (b) they were not included in a qualified rollover. See Pub. 969.



You may have to pay an additional tax if you received a taxable distribution from an HSA or an Archer MSA. See the Instructions for Form 8889 for HSAs or the Instructions for Form 8853 for Archer MSAs.

- Taxable distributions from an ABLE account. Distributions from this type of account may be taxable if (a) they are more than the designated beneficiary's qualified disability expenses, and (b) they were not included in a qualified rollover. Enter “ABLE” and the taxable amount on the dotted line next to line 21. See Pub. 907 for more information.



You may have to pay an additional tax if you received a taxable distribution from an ABLE account. See the Instructions for Form 5329.

- Section 461(l) excess business loss adjustments. Enter “ELA” and the taxable amount on the dotted line next to line 21. See Form 461 and its instructions for more information.

- Net section 965 inclusion. If you have a net section 965 inclusion (the section 965(a) inclusion less the corresponding section 965(c) deduction) for 2018, enter “SEC 965” and the net inclusion amount on the dotted line next to line 21. You must also complete and attach Form 965 and Form 965-A to your return.

- If, as a result of an election under section 965(n), the amount of the net operating loss for the taxable year is determined without regard to relevant section 965-related amounts (the “reduction amount”), the reduction amount is included in other income on line 21. If, as a result of an election under section 965(n), the taxable income to be reduced by net operating loss carryovers or carrybacks is reduced, the net operating loss deduction on line 21 is reduced by the reduction amount.

- Section 951A requires U.S. shareholders of controlled foreign corporations to report their of GILTI in taxable income. Include the amount figured on Form 8992, Part II, line 3, and attach a copy of Form 8992 to your return. If you have a Form 5471 reporting requirement, attach a copy of Form 5471 to your return.

Nontaxable income. Don't report any nontaxable income on line 21. Examples of nontaxable income include the following.

- Child support.
- Payments you received to help you pay your mortgage loan under the HFA Hardest Hit Fund.

- Any Pay-for-Performance Success Payments that reduce the principal balance of your home mortgage under the Home Affordable Modification Program.

- Life insurance proceeds received because of someone's death (other than from certain employer-owned life insurance contracts).

- Gifts and bequests. However, if you received a gift or bequest from a foreign person of more than \$16,076, you may have to report information about it on Form 3520, Part IV. See the Instructions for Form 3520.

Net operating loss (NOL) deduction.

Include on line 21 any NOL deduction from an earlier year. Subtract it from any income on line 21 and enter the result. If the result is less than zero, enter it in parentheses. On the dotted line next to line 21, enter “NOL” and show the amount of the deduction in parentheses. See Pub. 536 for details.

Medicaid waiver payments to care provider. Certain Medicaid waiver payments you received for caring for

someone living in your home with you may be nontaxable. If these payments were incorrectly reported to you in box 1 of Form(s) W-2, and you can't get a corrected Form W-2, include the amount on Form 1040, line 1. On line 21, subtract the nontaxable amount of the payments from any income on line 21 and enter the result. If the result is less than zero, enter it in parentheses. Enter "Notice 2014-7" and the nontaxable amount on the dotted line next to line 21. For more information about these payments, see Pub. 525.

Olympic and Paralympic medals and USOC prize money. The value of Olympic and Paralympic medals and the amount of United States Olympic Committee prize money you receive on account of your participation in the Olympic or Paralympic Games may be nontaxable. These amounts should be reported to you in box 3 of Form 1099-MISC. To see if these amounts are nontaxable, first figure your adjusted gross income including the amount of your medals and prize money. If your adjusted gross income is not more than \$1,000,000 (\$500,000 if married filing separately), these amounts are nontaxable and you should include the amount in box 3 of Form 1099-MISC on line 21, then subtract it by including it on line 36 along with any other write-in adjustments. On the dotted line next to line 36, enter the nontaxable amount and identify as "USOC."

Adjustments to Income

Line 23

Educator Expenses

If you were an eligible educator in 2018, you can deduct on line 23 up to \$250 of qualified expenses you paid in 2018. If you and your spouse are filing jointly and both of you were eligible educators, the maximum deduction is \$500. However, neither spouse can deduct more than \$250 of his or her qualified expenses on line 23. An eligible educator is a kindergarten through grade 12 teacher, instructor, counselor, principal, or aide who worked in a school for at least 900 hours during a school year.

Qualified expenses include ordinary and necessary expenses paid:

- For professional development courses you have taken related to the curriculum you teach or to the students you teach, or
- In connection with books, supplies, equipment (including computer equipment, software, and services), and other materials used in the classroom.

An ordinary expense is one that is common and accepted in your educational field. A necessary expense is one that is helpful and appropriate for your profession as an educator. An expense doesn't have to be required to be considered necessary.

Qualified expenses don't include expenses for home schooling or for non-athletic supplies for courses in health or physical education.

You must reduce your qualified expenses by the following amounts.

- Excludable U.S. series EE and I savings bond interest from Form 8815.
- Nontaxable qualified tuition program earnings or distributions.
- Any nontaxable distribution of Coverdell education savings account earnings.
- Any reimbursements you received for these expenses that weren't reported to you in box 1 of your Form W-2.

For more details, use [Tax Topic 458](#) or see Pub. 529.

Line 24

Certain Business Expenses of Reservists, Performing Artists, and Fee-Basis Government Officials

Include the following deductions on line 24.

- Certain business expenses of National Guard and reserve members who traveled more than 100 miles from home to perform services as a National Guard or reserve member.
- Performing-arts-related expenses as a qualified performing artist.
- Business expenses of fee-basis state or local government officials.

For more details, see Form 2106.

Line 25

Health Savings Account (HSA) Deduction

You may be able to take this deduction if contributions (other than employer contributions, rollovers, and qualified HSA funding distributions from an IRA) were made to your HSA for 2018. See Form 8889.

Line 26

Moving Expenses

You can deduct moving expenses if you are a member of the Armed Forces on active duty and due to a military order you move because of a permanent change of station. Use [Tax Topic 455](#) or see Form 3903.

Line 27

Deductible Part of Self-Employment Tax

If you were self-employed and owe self-employment tax, fill in Schedule SE to figure the amount of your deduction. If you completed Section A of Schedule SE, the deductible part of your self-employment tax is on line 6. If you completed Section B of Schedule SE, it is on line 13.

Line 28

Self-Employed SEP, SIMPLE, and Qualified Plans

If you were self-employed or a partner, you may be able to take this deduction. See Pub. 560 or, if you were a minister, Pub. 517.

Line 29

Self-Employed Health Insurance Deduction

You may be able to deduct the amount you paid for health insurance for yourself, your spouse, and your dependents. The insurance also can cover your child who was under age 27 at the end of 2018, even if the child wasn't your dependent. A child includes your son, daughter, stepchild, adopted child, or foster child (defined in *Who Qualifies as Your Dependent* in the Instructions for Form 1040).

Self-Employed Health Insurance Deduction Worksheet—Schedule 1, Line 29

Before you begin: ✓ If, during 2018, you were an eligible trade adjustment assistance (TAA) recipient, alternative TAA (ATAA) recipient, reemployment TAA (RTAA) recipient, or Pension Benefit Guaranty Corporation pension payee, see the Instructions for Form 8885 to figure the amount to enter on line 1 of this worksheet.
 ✓ Be sure you have read the **Exceptions** in the instructions for this line to see if you can use this worksheet instead of Pub. 535 to figure your deduction.

<p>1. Enter the total amount paid in 2018 for health insurance coverage established under your business (or the S corporation in which you were a more-than-2% shareholder) for 2018 for you, your spouse, and your dependents. Your insurance also can cover your child who was under age 27 at the end of 2018, even if the child wasn't your dependent. But don't include amounts for any month you were eligible to participate in an employer-sponsored health plan or amounts paid from retirement plan distributions that were nontaxable because you are a retired public safety officer</p>	1.	
<p>2. Enter your net profit* and any other earned income** from the business under which the insurance plan is established, minus any deductions on Schedule 1, lines 27 and 28. Don't include Conservation Reserve Program payments exempt from self-employment tax</p>	2.	
<p>3. Self-employed health insurance deduction. Enter the smaller of line 1 or line 2 here and on Schedule 1, line 29. Don't include this amount in figuring any medical expense deduction on Schedule A</p>	3.	

*If you used either optional method to figure your net earnings from self-employment, don't enter your net profit. Instead, enter the amount from Schedule SE, Section B, line 4b.

****Earned income** includes net earnings and gains from the sale, transfer, or licensing of property you created. However, it doesn't include capital gain income. If you were a more-than-2% shareholder in the S corporation under which the insurance plan is established, earned income is your Medicare wages (box 5 of Form W-2) from that corporation.

One of the following statements must be true.

- You were self-employed and had a net profit for the year reported on Schedule C, C-EZ, or F.
- You were a partner with net earnings from self-employment.
- You used one of the optional methods to figure your net earnings from self-employment on Schedule SE.
- You received wages in 2018 from an S corporation in which you were a more-than-2% shareholder. Health insurance premiums paid or reimbursed by the S corporation are shown as wages on Form W-2.

The insurance plan must be established under your business. Your personal services must have been a material income-producing factor in the business. If you are filing Schedule C, C-EZ, or F, the policy can be either in your name or in the name of the business.

If you are a partner, the policy can be either in your name or in the name of the partnership. You can either pay the premiums yourself or your partnership can pay them and report them as guaranteed payments. If the policy is in your name

and you pay the premiums yourself, the partnership must reimburse you and report the premiums as guaranteed payments.

If you are a more-than-2% shareholder in an S corporation, the policy can be either in your name or in the name of the S corporation. You can either pay the premiums yourself or the S corporation can pay them and report them as wages. If the policy is in your name and you pay the premiums yourself, the S corporation must reimburse you. You can deduct the premiums only if the S corporation reports the premiums paid or reimbursed as wages in box 1 of your Form W-2 in 2018 and you also report the premium payments or reimbursements as wages on Form 1040, line 1.

But if you also were eligible to participate in any subsidized health plan maintained by your or your spouse's employer for any month or part of a month in 2018, amounts paid for health insurance coverage for that month can't be used to figure the deduction. Also, if you were eligible for any month or part of a month to participate in any subsidized health plan maintained by the em-

ployer of either your dependent or your child who was under age 27 at the end of 2018, don't use amounts paid for coverage for that month to figure the deduction.



A qualified small employer health reimbursement arrangement (QSEHRA) is considered to be a subsidized health plan maintained by an employer.

Example. If you were eligible to participate in a subsidized health plan maintained by your spouse's employer from September 30 through December 31, you can't use amounts paid for health insurance coverage for September through December to figure your deduction.

Medicare premiums you voluntarily pay to obtain insurance in your name that is similar to qualifying private health insurance can be used to figure the deduction. Amounts paid for health insurance coverage from retirement plan distributions that were nontaxable because you are a retired public safety officer can't be used to figure the deduction.

For more details, see Pub. 535.

If you qualify to take the deduction, use the Self-Employed Health Insurance Deduction Worksheet to figure the amount you can deduct.

Exceptions. Use Pub. 535 instead of the Self-Employed Health Insurance Deduction Worksheet in these instructions to figure your deduction if any of the following applies.

- You had more than one source of income subject to self-employment tax.
- You file Form 2555 or 2555-EZ.
- You are using amounts paid for qualified long-term care insurance to figure the deduction.

Use Pub. 974 instead of the worksheet in these instructions if the insurance plan was considered to be established under your business and was obtained through the Marketplace, and advance payments of the premium tax credit were made or you are claiming the premium tax credit.

Line 30

Penalty on Early Withdrawal of Savings

The Form 1099-INT or Form 1099-OID you received will show the amount of any penalty you were charged.

Lines 31a and 31b

Alimony Paid

If you made payments to or for your spouse or former spouse under a divorce or separation instrument, you may be able to take this deduction. Use [Tax Topic 452](#) or see Pub. 504.

TIP *Alimony paid will no longer be deductible if you entered into a divorce or separation agreement on or before December 31, 2018, and the agreement is changed after December 31, 2018, to expressly provide that alimony received is not included in your former spouse's income. Alimony paid will also not be deductible if a divorce or separation agreement is entered into after December 31, 2018. For more information, see Pub. 504.*

Line 32

IRA Deduction

TIP *If you made any nondeductible contributions to a traditional individual retirement arrangement (IRA) for 2018, you must report them on Form 8606.*

If you made contributions to a traditional IRA for 2018, you may be able to take an IRA deduction. But you, or your spouse if filing a joint return, must have had earned income to do so. For IRA purposes, earned income includes alimony and separate maintenance payments reported on Schedule 1, line 11. If you were a member of the U.S. Armed Forces, earned income includes any non-taxable combat pay you received. If you were self-employed, earned income is generally your net earnings from self-employment if your personal services were a material income-producing factor. For more details, see Pub. 590-A. A statement should be sent to you by May 31, 2019, that shows all contributions to your traditional IRA for 2018.

Use the IRA Deduction Worksheet to figure the amount, if any, of your IRA deduction. But read the following 11-item list before you fill in the worksheet.

1. If you were age 70½ or older at the end of 2018, you can't deduct any contributions made to your traditional IRA for 2018 or treat them as nondeductible contributions.

2. You can't deduct contributions to a Roth IRA. But you may be able to take the retirement savings contributions credit (saver's credit). See the instructions for Schedule 3, line 51.

3. If you are filing a joint return and you or your spouse made contributions to both a traditional IRA and a Roth IRA for 2018, don't use the IRA Deduction Worksheet in these instructions. Instead, see Pub. 590-A to figure the amount, if any, of your IRA deduction.

4. You can't deduct elective deferrals to a 401(k) plan, 403(b) plan, section 457 plan, SIMPLE plan, or the federal Thrift Savings Plan. These amounts aren't included as income in box 1 of your Form W-2. But you may be able to take the retirement savings contributions

credit. See the instructions for Schedule 3, line 51.

5. If you made contributions to your IRA in 2018 that you deducted for 2017, don't include them in the worksheet.

6. If you received income from a nonqualified deferred compensation plan or nongovernmental section 457 plan that is included in box 1 of your Form W-2, or in box 7 of Form 1099-MISC, don't include that income on line 8 of the worksheet. The income should be shown in (a) box 11 of your Form W-2, (b) box 12 of your Form W-2 with code Z, or (c) box 15b of Form 1099-MISC. If it isn't, contact your employer or the payer for the amount of the income.

7. You must file a joint return to deduct contributions to your spouse's IRA. Enter the total IRA deduction for you and your spouse on line 32.

8. Don't include rollover contributions in figuring your deduction. Instead, see the instructions for Form 1040, lines 4a and 4b.

9. Don't include trustees' fees that were billed separately and paid by you for your IRA.

10. Don't include any repayments of qualified reservist distributions. You can't deduct them. For information on how to report these repayments, see *Qualified reservist repayments* in Pub. 590-A.

11. If the total of your IRA deduction on line 32 plus any nondeductible contribution to your traditional IRAs shown on Form 8606 is less than your total traditional IRA contributions for 2018, see Pub. 590-A for special rules.

TIP *By April 1 of the year after the year in which you turn age 70½, you must start taking minimum required distributions from your traditional IRA. If you don't, you may have to pay a 50% additional tax on the amount that should have been distributed. For details, including how to figure the minimum required distribution, see Pub. 590-B.*

Were You Covered by a Retirement Plan? If you were covered by a retirement plan (qualified pension, profit-sharing (including 401(k)), annuity, SEP, SIMPLE, etc.) at work or through

self-employment, your IRA deduction may be reduced or eliminated. But you can still make contributions to an IRA even if you can't deduct them. In any case, the income earned on your IRA contributions isn't taxed until it is paid to you.

The "Retirement plan" box in box 13 of your Form W-2 should be checked if you were covered by a plan at work even if you weren't vested in the plan.

You also are covered by a plan if you were self-employed and had a SEP, SIMPLE, or qualified retirement plan.

If you were covered by a retirement plan and you file Form 2555, 2555-EZ, or 8815, or you exclude employer-provided adoption benefits, see Pub. 590-A to figure the amount, if any, of your IRA deduction.

Married persons filing separately. If you weren't covered by a retirement plan but your spouse was, you are considered covered by a plan unless you lived apart from your spouse for all of 2018.



You may be able to take the retirement savings contributions credit. See the Schedule 3, line 51 instructions.

IRA Deduction Worksheet—Schedule 1, Line 32



If you were age 70½ or older at the end of 2018, you can't deduct any contributions made to your traditional IRA or treat them as nondeductible contributions. **Don't** complete this worksheet for anyone age 70½ or older at the end of 2018. If you are married filing jointly and only one spouse was under age 70½ at the end of 2018, complete this worksheet only for that spouse.

Before you begin:

- ✓ Be sure you have read the 11-item list in the instructions for this line. You may not be able to use this worksheet.
- ✓ Figure any write-in adjustments to be entered on the dotted line next to Schedule 1, line 36 (see the instructions for Schedule 1, line 36).
- ✓ If you are married filing separately and you lived apart from your spouse for all of 2018, enter "D" on the dotted line next to Schedule 1, line 32. If you don't, you may get a math error notice from the IRS.

	Your IRA	Spouse's IRA
1a. Were you covered by a retirement plan (see <i>Were You Covered by a Retirement Plan?</i>)?	1a. <input type="checkbox"/> Yes <input type="checkbox"/> No	
b. If married filing jointly, was your spouse covered by a retirement plan?		1b. <input type="checkbox"/> Yes <input type="checkbox"/> No
<p>Next. If you checked "No" on line 1a (and "No" on line 1b if married filing jointly), skip lines 2 through 6, enter the applicable amount below on line 7a (and line 7b if applicable), and go to line 8.</p> <ul style="list-style-type: none"> • \$5,500, if under age 50 at the end of 2018. • \$6,500, if age 50 or older but under age 70½ at the end of 2018. <p>Otherwise, go to line 2.</p>		
2. Enter the amount shown below that applies to you.		
<ul style="list-style-type: none"> • Single, head of household, or married filing separately and you lived apart from your spouse for all of 2018, enter \$73,000. • Qualifying widow(er), enter \$121,000. • Married filing jointly, enter \$121,000 in both columns. But if you checked "No" on either line 1a or 1b, enter \$199,000 for the person who wasn't covered by a plan. • Married filing separately and you lived with your spouse at any time in 2018, enter \$10,000. 	2a. _____	2b. _____
3. Enter the amount from Form 1040, line 6	3. _____	
4. Enter the total of the amounts from Schedule 1, lines 23 through 31a, plus any write-in adjustments you entered on the dotted line next to Schedule 1, line 36 other than any amounts identified as "DPAD"	4. _____	
5. Subtract line 4 from line 3. If married filing jointly, enter the result in both columns	5a. _____	5b. _____
6. Is the amount on line 5 less than the amount on line 2?		
<input type="checkbox"/> No. None of your IRA contributions are deductible. For details on nondeductible IRA contributions, see Form 8606.		
<input type="checkbox"/> Yes. Subtract line 5 from line 2 in each column. Follow the instruction below that applies to you.		
<ul style="list-style-type: none"> • If single, head of household, or married filing separately, and the result is \$10,000 or more, enter the applicable amount below on line 7 for that column and go to line 8. <ul style="list-style-type: none"> i. \$5,500, if under age 50 at the end of 2018. ii. \$6,500, if age 50 or older but under age 70½ at the end of 2018. If the result is less than \$10,000, go to line 7. • If married filing jointly or qualifying widow(er), and the result is \$20,000 or more (\$10,000 or more in the column for the IRA of a person who wasn't covered by a retirement plan), enter the applicable amount below on line 7 for that column and go to line 8. <ul style="list-style-type: none"> i. \$5,500, if under age 50 at the end of 2018. ii. \$6,500 if age 50 or older but under age 70½ at the end of 2018. <p>Otherwise, go to line 7.</p>	6a. _____	6b. _____

IRA Deduction Worksheet—Continued

	Your IRA	Spouse's IRA
<p>7. Multiply lines 6a and 6b by the percentage below that applies to you. If the result isn't a multiple of \$10, increase it to the next multiple of \$10 (for example, increase \$490.30 to \$500). If the result is \$200 or more, enter the result. But if it is less than \$200, enter \$200.</p> <ul style="list-style-type: none"> • Single, head of household, or married filing separately, multiply by 55% (0.55) (or by 65% (0.65) in the column for the IRA of a person who is age 50 or older at the end of 2018). • Married filing jointly or qualifying widow(er), multiply by 27.5% (0.275) (or by 32.5% (0.325) in the column for the IRA of a person who is age 50 or older at the end of 2018). But if you checked "No" on either line 1a or 1b, then in the column for the IRA of the person who wasn't covered by a retirement plan, multiply by 55% (0.55) (or by 65% (0.65) if age 50 or older at the end of 2018). 	7a.	7b.
<p>8. Enter the total of your (and your spouse's if filing jointly):</p> <ul style="list-style-type: none"> • Wages, salaries, tips, etc. Generally, this is the amount reported in box 1 of Form W-2. Exceptions are explained earlier in these instructions for line 32. • Alimony and separate maintenance payments reported on Schedule 1, line 11. • Nontaxable combat pay. This amount should be reported in box 12 of Form W-2 with code Q. 	8.	
<p>9. Enter the earned income you (and your spouse if filing jointly) received as a self-employed individual or a partner. Generally, this is your (and your spouse's if filing jointly) net earnings from self-employment if your personal services were a material income-producing factor, minus any deductions on Schedule 1, lines 27 and 28. If zero or less, enter -0-. For more details, see Pub. 590-A</p>	9.	
<p>10. Add lines 8 and 9</p>	10.	
<div style="display: flex; align-items: center;"> <p><i>If married filing jointly and line 10 is less than \$11,000 (\$12,000 if one spouse is age 50 or older at the end of 2018; \$13,000 if both spouses are age 50 or older at the end of 2018), stop here and use the worksheet in Pub. 590-A to figure your IRA deduction.</i></p> </div>		
<p>11. Enter traditional IRA contributions made, or that will be made by the due date of your 2018 return not counting extensions (April 15, 2019 for most people), for 2018 to your IRA on line 11a and to your spouse's IRA on line 11b</p>	11a.	11b.
<p>12. On line 12a, enter the smallest of line 7a, 10, or 11a. On line 12b, enter the smallest of line 7b, 10, or 11b. This is the most you can deduct. Add the amounts on lines 12a and 12b and enter the total on Schedule 1, line 32. Or, if you want, you can deduct a smaller amount and treat the rest as a nondeductible contribution (see Form 8606)</p>	12a.	12b.

Line 33

Student Loan Interest Deduction

You can take this deduction only if all of the following apply.

- You paid interest in 2018 on a qualified student loan (defined later).
- Your filing status is any status except married filing separately.
- Your modified adjusted gross income (AGI) is less than: \$80,000 if single, head of household, or qualifying widow(er); \$165,000 if married filing jointly. Use lines 2 through 4 of the worksheet in these instructions to figure your modified AGI.

- You, or your spouse if filing jointly, aren't claimed as a dependent on someone else's (such as your parent's) 2018 tax return.

Use the worksheet in these instructions to figure your student loan interest deduction.

Exception. Use Pub. 970 instead of the worksheet in these instructions to figure your student loan interest deduction if you file Form 2555, 2555-EZ, or 4563, or you exclude income from sources within Puerto Rico.

Qualified student loan. A qualified student loan is any loan you took out to pay the qualified higher education ex-

penses for any of the following individuals who was an eligible student.

1. Yourself or your spouse.
2. Any person who was your dependent when the loan was taken out.
3. Any person you could have claimed as a dependent for the year the loan was taken out except that:
 - a. The person filed a joint return;
 - b. The person had gross income that was equal to or more than the exemption amount for that year or \$4,150 for 2018;
 or

Student Loan Interest Deduction Worksheet—Schedule 1, Line 33

Before you begin: ✓ Figure any write-in adjustments to be entered on the dotted line next to Schedule 1, line 36 (see the instructions for Schedule 1, line 36).
 ✓ Be sure you have read the **Exception** in the instructions for this line to see if you can use this worksheet instead of Pub. 970 to figure your deduction.

1. Enter the total interest you paid in 2018 on qualified student loans (see the instructions for line 33). Don't enter more than \$2,500	1.	<input type="text"/>
2. Enter the amount from Form 1040, line 6	2.	<input type="text"/>
3. Enter the total of the amounts from Schedule 1, lines 23 through 32, plus any write-in adjustments you entered on the dotted line next to Schedule 1, line 36 other than any amounts identified as "DPAD"	3.	<input type="text"/>
4. Subtract line 3 from line 2	4.	<input type="text"/>
5. Enter the amount shown below for your filing status.		
• Single, head of household, or qualifying widow(er)—\$65,000	}	5. <input type="text"/>
• Married filing jointly—\$135,000		
6. Is the amount on line 4 more than the amount on line 5?	6.	<input type="text"/>
<input type="checkbox"/> No. Skip lines 6 and 7, enter -0- on line 8, and go to line 9.		
<input type="checkbox"/> Yes. Subtract line 5 from line 4		
7. Divide line 6 by \$15,000 (\$30,000 if married filing jointly). Enter the result as a decimal (rounded to at least three places). If the result is 1.000 or more, enter 1.000	7.	<input type="text"/>
8. Multiply line 1 by line 7	8.	<input type="text"/>
9. Student loan interest deduction. Subtract line 8 from line 1. Enter the result here and on Schedule 1, line 33. Don't include this amount in figuring any other deduction on your return (such as on Schedule A, C, E, etc.)	9.	<input type="text"/>

c. You, or your spouse if filing jointly, could be claimed as a dependent on someone else's return.

However, a loan isn't a qualified student loan if (a) any of the proceeds were used for other purposes, or (b) the loan was from either a related person or a person who borrowed the proceeds under a qualified employer plan or a contract purchased under such a plan. For details, see Pub. 970.

Qualified higher education expenses. Qualified higher education expenses generally include tuition, fees, room and board, and related expenses such as books and supplies. The expenses must be for education in a degree, certificate, or similar program at an eligible educational institution. An eligible educational institution includes most colleges, universities, and certain vocational schools. For details, see Pub. 970.

Line 34

Reserved



At the time these instructions went to print, the tuition and

fees deduction formerly claimed on line 34 had expired. You can't claim a deduction on line 34 for expenses paid or incurred after 2017. Line 34 is now shown as "Reserved" in case Congress extends the deduction for 2018. To find out if legislation extended the deduction so you can claim it on your 2018 return, go to IRS.gov/FormsUpdates or IRS.gov/Form1040.

If legislation doesn't extend the deduction for 2018, treat the amount on line 34 as zero when any form, worksheet, or instruction refers to line 34.

Line 35

Reserved



The domestic production activities deduction was repealed. Line 35 is now shown as "Reserved." If you have a domestic production activities deduction from a fiscal-year pass-through entity, enter the amount of the deduction on the dotted line next to line 36. See the instructions for line 36 for more information.



If you are a patron of a specified agricultural cooperative, see the Instructions for Form 1120-C for special rules related to the domestic production activities deduction.

Line 36

Include in the total on line 36 any of the following write-in adjustments. To find out if you can take the deduction, see the form or publication indicated. On the dotted line next to line 36, enter the amount of your deduction and identify it as indicated.

- Archer MSA deduction (see Form 8853). Identify as "MSA."
- Jury duty pay if you gave the pay to your employer because your employer paid your salary while you served on the jury. Identify as "Jury Pay."
- Deductible expenses related to income reported on line 21 from the rental of personal property engaged in for profit. Identify as "PPR."
- Nontaxable amount of the value of Olympic and Paralympic medals and

USOC prize money reported on line 21. Identify as “USOC.”

- Reforestation amortization and expenses (see Pub. 535). Identify as “RFST.”

- Repayment of supplemental unemployment benefits under the Trade Act of 1974 (see Pub. 525). Identify as “Sub-Pay TRA.”

- Contributions to section 501(c)(18)(D) pension plans (see Pub. 525). Identify as “501(c)(18)(D).”

- Contributions by certain chaplains to section 403(b) plans (see Pub. 517). Identify as “403(b).”

- Attorney fees and court costs for actions involving certain unlawful discrimination claims, but only to the extent of gross income from such actions (see Pub. 525). Identify as “UDC.”

- Attorney fees and court costs you paid in connection with an award from the IRS for information you provided that helped the IRS detect tax law violations, up to the amount of the award includible in your gross income. Identify as “WBF.”

- Fiscal-year pass-through entities that have a domestic production activities deduction generated in a tax year

beginning before December 31, 2017 (see Form 8903). Identify as “DPAD”.



Don't include any domestic production activities deductions passed through from a cooperative under section 199A(g). Instead see the instructions for Line 10 and Pub. 535.

2018 Instructions for Schedule 2

Tax

General Instructions

Use Schedule 2 if you have additional taxes that can't be entered directly on Form 1040. These include alternative minimum tax and excess advance premium tax credit repayment.

Include the amount on Schedule 2, line 47, in the total on Form 1040, line 11b, and check the box to indicate you're attaching Schedule 2 to your return.

Specific Instructions



Lines 38 through 44 are shown as "Reserved." Entries for these lines are reported directly on Form 1040.

Line 45

Alternative Minimum Tax (AMT)

Alternative minimum tax (AMT) exemption amount increased. The AMT exemption amount is increased to \$70,300 (\$109,400 if married filing jointly or qualifying widow(er); \$54,700 if married filing separately). The income levels at which the AMT exemption begins to phase out has increased to \$500,000 (\$1,000,000 if married filing jointly or qualifying widow(er)).

If you aren't sure whether you owe the AMT, complete the Worksheet To See if You Should Fill in Form 6251.

Exception. Fill in Form 6251 instead of using the worksheet if you claimed or received any of the following items.

- Accelerated depreciation.

- Tax-exempt interest from private activity bonds.

- Intangible drilling, circulation, research, experimental, or mining costs.

- Amortization of pollution-control facilities or depletion.

- Income or (loss) from tax-shelter farm activities, passive activities, partnerships, S corporations, or activities for which you aren't at risk.

- Income from long-term contracts not figured using the percentage-of-completion method.

- Investment interest expense reported on Form 4952.

- Net operating loss deduction.

- Alternative minimum tax adjustments from an estate, trust, electing large partnership, or cooperative.

- Section 1202 exclusion.

- Stock by exercising an incentive stock option and you didn't dispose of the stock in the same year.

- Any general business credit claimed on Form 3800 if either line 6 (in Part I) or line 25 of Form 3800 is more than zero.

- Qualified electric vehicle credit.

- Alternative fuel vehicle refueling property tax.

- Credit for prior year minimum tax.

- Foreign tax credit.

- Net qualified disaster loss and you are reporting your standard deduction on Schedule A, line 16. See the instructions for Form 4684 for more information.



Form 6251 should be filled in for certain children who are under age 24 at the end of 2018. See the Instructions for Form 6251 for more information.

For help with the alternative minimum tax, go to [IRS.gov/AMT](https://www.irs.gov/AMT).

Line 46

Excess Advance Premium Tax Credit Repayment

The premium tax credit helps pay premiums for health insurance purchased from the Marketplace. Eligible individuals may have advance payments of the premium tax credit paid on their behalf directly to the insurance company. If you, your spouse with whom you are filing a joint return, or your dependent was enrolled in coverage purchased from the Marketplace and advance payments of the premium tax credit were made for the coverage, complete Form 8962 to reconcile (compare) the advance payments with your premium tax credit. You (or whoever enrolled you) should have received Form 1095-A from the Marketplace with information about your coverage and any advance credit payments. If the advance credit payments were more than the premium tax credit you can claim, the amount you must repay will be shown on Form 8962, line 29. Enter that amount, if any, on line 46.

You may have to repay excess advance payments of the premium tax credit even if someone else enrolled you, your spouse, or your dependent in Marketplace coverage. In that case, another individual may have received the Form 1095-A for the coverage. You also may have to repay excess advance payments of the premium tax credit if you enrolled an individual in coverage through the Marketplace, you don't claim the individual as a dependent on your return, and no one else claims that individual as a dependent. For more information, see the Instructions for Form 8962.

Worksheet To See if You Should Fill in Form 6251—Schedule 2, Line 45

Before you begin: ✓ Be sure you have read the **Exception** in the instructions for this line to see if you must fill in Form 6251 instead of using this worksheet.

1. Are you filing Schedule A?

No. Skip lines 1 and 2; subtract Form 1040, line 9 from Form 1040, line 7, enter the result on line 3 and go to line 4.

Yes. Enter the amount from Form 1040, line 10 **1.**

2. Enter the total of the amount from Schedule A, line 7 **2.**

3. Add lines 1 and 2 **3.**

4. Enter any tax refund from Schedule 1, lines 10 and 21 **4.**

5. Subtract line 4 from line 3 **5.**

6. Enter the amount shown below for your filing status.

- Single or head of household—\$70,300
 - Married filing jointly or qualifying widow(er)—\$109,400
 - Married filing separately—\$54,700
- } **6.**

7. Is the amount on line 5 more than the amount on line 6?



Don't complete the rest of this worksheet. You don't owe alternative minimum tax and don't need to fill out Form 6251. Leave Schedule 2, line 45 blank.

No. **7.**

Yes. Subtract line 6 from line 5 **7.**

8. Enter the amount shown below for your filing status.

- Single or head of household—\$500,000
 - Married filing jointly or qualifying widow(er)—\$1,000,000
 - Married filing separately—\$500,000
- } **8.**

9. Is the amount on line 5 more than the amount on line 8?

No. Enter -0-. Skip line 10. Enter on line 11 the amount from line 7, and go to line 12.

Yes. Subtract line 8 from line 5 **9.**

10. Multiply line 9 by 25% (0.25) and enter the **smaller** of the result or line 6 **10.**

11. Add lines 7 and 10 **11.**

12. Is the amount on line 11 more than \$191,100 (\$95,550 if married filing separately)?

Yes. Fill in Form 6251 to see if you owe the alternative minimum tax.

No. Multiply line 11 by 26% (0.26) **12.**

13. Add the amount in the entry space on Form 1040, line 11a (minus any tax from Form 4972), and Schedule 2, line 46. (If you used Schedule J to figure your tax on the entry space on Form 1040, line 11a, refigure that tax without using Schedule J before including it in this calculation) **13.**

Next. Is the amount on line 12 more than the amount on line 13?

Yes. Fill in Form 6251 to see if you owe the alternative minimum tax.

No. You don't owe alternative minimum tax and don't need to fill out Form 6251. Leave Schedule 2, line 45, blank.

2018 Instructions for Schedule 3

Nonrefundable Credits

General Instructions

Use Schedule 3 if you have nonrefundable credits other than the child tax credit or the credit for other dependents. These generally include items that were in the “Tax and Credits” section of the 2017 Form 1040.

Include the amount on Schedule 3, line 55, in the amount entered on Form 1040, line 12, and check the box to indicate Schedule 3 is attached to your return.

Specific Instructions

Line 48

Foreign Tax Credit

If you paid income tax to a foreign country or U.S. possession, you may be able to take this credit. Generally, you must complete and attach Form 1116 to do so.

Exception. You don't have to complete Form 1116 to take this credit if all of the following apply.

1. All of your foreign source gross income was from interest and dividends and all of that income and the foreign tax paid on it were reported to you on Form 1099-INT, Form 1099-DIV, or Schedule K-1 (or substitute statement).

2. The total of your foreign taxes wasn't more than \$300 (not more than \$600 if married filing jointly).

3. You held the stock or bonds on which the dividends or interest were paid for at least 16 days and weren't obligated to pay these amounts to someone else.

4. You aren't filing Form 4563 or excluding income from sources within Puerto Rico.

5. All of your foreign taxes were:
 - a. Legally owed and not eligible for a refund or reduced tax rate under a tax treaty, and

- b. Paid to countries that are recognized by the United States and don't support terrorism.

For more details on these requirements, see the Instructions for Form 1116.

Do you meet all five requirements just listed?

Yes. Enter on line 48 the smaller of (a) your total foreign taxes, or (b) the total of the amounts on Form 1040, line 11a and Schedule 2, line 46.

No. See Form 1116 to find out if you can take the credit and, if you can, if you have to file Form 1116.

Line 49

Credit for Child and Dependent Care Expenses

You may be able to take this credit if you paid someone to care for:

- Your qualifying child under age 13 whom you claim as your dependent,

- Your disabled spouse or any other disabled person who couldn't care for himself or herself, or

- Your child whom you couldn't claim as a dependent because of the rules for *Children of divorced or separated parents* under *Who Qualifies as Your Dependent*, earlier.

For details, use [Tax Topic 602](#) or see Form 2441.

Line 50

Education Credits

If you (or your dependent) paid qualified expenses in 2018 for yourself, your spouse, or your dependent to enroll in or attend an eligible educational institution, you may be able to take an education credit. See Form 8863 for details. However, you can't take an education credit if any of the following applies.

- You, or your spouse if filing jointly, are claimed as a dependent on someone else's (such as your parent's) 2018 tax return.

- Your filing status is married filing separately.

- The amount on Form 1040, line 7, is \$90,000 or more (\$180,000 or more if married filing jointly).

- You, or your spouse, were a non-resident alien for any part of 2018 unless your filing status is married filing jointly.

You may be able to increase an education credit if the student chooses to include all or part of a Pell grant or certain other scholarships or fellowships in income.

For more information, see Pub. 970, the instructions for Form 1040, line 17c, and [IRS.gov/EdCredit](https://www.irs.gov/EdCredit).

Line 51

Retirement Savings Contributions Credit (Saver's Credit)

You may be able to take this credit if you, or your spouse if filing jointly, made (a) contributions, other than rollover contributions, to a traditional or Roth IRA; (b) elective deferrals to a 401(k) or 403(b) plan (including designated Roth contributions) or to a governmental 457, SEP, or SIMPLE plan; (c) voluntary employee contributions to a qualified retirement plan (including the federal Thrift Savings Plan); (d) contributions to a 501(c)(18)(D) plan; or (e) contributions to an ABLA account by the designated beneficiary, as defined in section 529A.

However, you can't take the credit if either of the following applies.

1. The amount on Form 1040, line 7, is more than \$31,500 (\$47,250 if head of household; \$63,000 if married filing jointly).

2. The person(s) who made the qualified contribution or elective deferral (a) was born after January 1, 2001, (b) is claimed as a dependent on someone else's 2018 tax return, or (c) was a student (defined next).

You were a student if during any part of 5 calendar months of 2018 you:

- Were enrolled as a full-time student at a school, or

- Took a full-time, on-farm training course given by a school or a state, county, or local government agency.

A school includes a technical, trade, or mechanical school. It doesn't include an on-the-job training course, correspondence school, or school offering courses only through the Internet.

For more details, use [Tax Topic 610](#) or see Form 8880.

Line 53

Residential Energy Credit

Residential energy efficient property credit. You may be able to take this credit by completing and attaching Form 5695 if you paid for any of the following during 2018.

- Qualified solar electric property for use in your home located in the United States.
- Qualified solar water heating property for use in your home located in the United States.
- Qualified fuel cell property installed on or in connection with your main home located in the United States.
- Qualified small wind energy property for use in connection with your home located in the United States.
- Qualified geothermal heat pump property installed on or in connection with your home located in the United States.



At the time these instructions went to print, the nonbusiness energy property credit had expired. You can't claim it for any property placed in service after 2017. To find out if legislation extended this credit so you can claim it on your 2018 return, go to [IRS.gov/FormsUpdates](https://www.irs.gov/FormsUpdates) or [IRS.gov/Form1040](https://www.irs.gov/Form1040).

Condos and co-ops. If you are a member of a condominium management association for a condominium you own or a tenant-stockholder in a cooperative housing corporation, you are treated as having paid your proportionate share of any costs of such association or corporation for purposes of this credit.

More details. For details, see Form 5695.

Line 54

Other Credits

Enter the total of the following credits on line 54 and check the appropriate box(es). Check all boxes that apply. If box c is checked, also enter the applicable form number. To find out if you can take the credit, see the form or publication indicated.

- **General business credit.** This credit consists of a number of credits that usually apply only to individuals who are partners, shareholders in an S corpora-

tion, self-employed, or who have rental property. See Form 3800 or Pub. 334.

- **Credit for prior year minimum tax.** If you paid alternative minimum tax in a prior year, see Form 8801.

- **Mortgage interest credit.** If a state or local government gave you a mortgage credit certificate, see Form 8396.

- **Credit for the elderly or the disabled.** See Schedule R.

- **Adoption credit.** You may be able to take this credit if you paid expenses to adopt a child or you adopted a child with special needs and the adoption became final in 2018. See the Instructions for Form 8839.

- **District of Columbia first-time homebuyer credit.** You can't claim this credit for a home you bought after 2011. You can claim it only if you have a credit carryforward from 2017. See Form 8859.

- **Qualified plug-in electric drive motor vehicle credit.** See Form 8936.

- **Qualified electric vehicle credit.** You can't claim this credit for a vehicle placed in service after 2006. You can claim this credit only if you have an electric vehicle passive activity credit carried forward from a prior year. See Form 8834.

- **Alternative motor vehicle credit.** See Form 8910 if you acquired a new fuel cell motor vehicle in 2017 but didn't place it in service until 2018.

- **Credit to holders of tax credit bonds.** See Form 8912.

2018 Instructions for Schedule 4

Other Taxes

General Instructions

Use Schedule 4 if you have other taxes that can't be entered on Form 1040. These generally include items that were in the "Other Taxes" section of the 2017 Form 1040.

Enter the amount on Schedule 4, line 64, on Form 1040, line 14.

Specific Instructions

Line 58

Unreported Social Security and Medicare Tax from Forms 4137 and 8919

Enter the total of any taxes from Form 4137 and Form 8919. Check the appropriate box(es).

Form 4137. If you received tips of \$20 or more in any month and you didn't report the full amount to your employer, you must pay the social security and Medicare or railroad retirement (RRTA) tax on the unreported tips.

Don't include the value of any non-cash tips, such as tickets or passes. You don't pay social security and Medicare taxes or RRTA tax on these noncash tips.

To figure the social security and Medicare tax, use Form 4137. If you owe RRTA tax, contact your employer. Your employer will figure and collect the RRTA tax.



You may be charged a penalty equal to 50% of the social security and Medicare or RRTA tax due on tips you received but didn't report to your employer.

Form 8919. If you are an employee who received wages from an employer who didn't withhold social security and Medicare tax from your wages, use Form 8919 to figure your share of the unreported tax. Include on line 58 the

amount from line 13 of Form 8919. Include the amount from line 6 of Form 8919 on Form 1040, line 1.

Line 59

Additional Tax on IRAs, Other Qualified Retirement Plans, etc.

If any of the following apply, see Form 5329 and its instructions to find out if you owe this tax and if you must file Form 5329. Also see Form 5329 and its instructions for definitions of the terms used here.

1. You received an early distribution from (a) an IRA or other qualified retirement plan, (b) an annuity, or (c) a modified endowment contract entered into after June 20, 1988, and the total distribution wasn't rolled over.

2. Excess contributions were made to your IRA, Coverdell education savings account (ESA), Archer MSA, health savings account (HSA), or ABLE account.

3. You received a taxable distribution from a Coverdell ESA, qualified tuition program, or ABLE account.

4. You were born before July 1, 1947, and didn't take the minimum required distribution from your IRA or other qualified retirement plan.

Exception. If only item (1) applies and distribution code 1 is correctly shown in box 7 of all your Forms 1099-R, you don't have to file Form 5329. Instead, multiply the taxable amount of the distribution by 10% (0.10) and enter the result on line 59. The taxable amount of the distribution is the part of the distribution you reported on Form 1040, line 4b or on Form 4972. Also, enter "No" under the heading *Other Taxes* to the left of line 59 to indicate that you don't have to file Form 5329. But you must file Form 5329 if distribution code 1 is incorrectly shown in box 7 of Form 1099-R or you qualify for an exception, such as the exceptions for qualified medical expenses, qualified higher edu-

cation expenses, qualified first-time homebuyer distributions, or a qualified reservist distribution.

Line 60a

Household Employment Taxes

Enter the household employment taxes you owe for having a household employee. If any of the following apply, see Schedule H and its instructions to find out if you owe these taxes.

1. You paid any one household employee (defined below) cash wages of \$2,100 or more in 2018. Cash wages include wages paid by check, money order, etc. But don't count amounts paid to an employee who was under age 18 at any time in 2018 and was a student.

2. You withheld federal income tax during 2018 at the request of any household employee.

3. You paid total cash wages of \$1,000 or more in any calendar quarter of 2017 or 2018 to household employees.

Any person who does household work is a household employee if you can control what will be done and how it will be done. Household work includes work done in or around your home by babysitters, nannies, health aides, housekeepers, yard workers, and similar domestic workers.

Line 60b

First-Time Homebuyer Credit Repayment

Enter the first-time homebuyer credit you have to repay if you bought the home in 2008.

If you bought the home in 2008 and owned and used it as your main home for all of 2018, you can enter your 2018 repayment on this line without attaching Form 5405.

See the Form 5405 instructions for details and for exceptions to the repayment rule.

Line 61**Health Care: Individual Responsibility**

If you can't check the "Full-year health care coverage or exempt" box on page 1 of Form 1040, you must generally report a shared responsibility payment on line 61 for each month that you, your spouse (if filing jointly), or someone you can or do claim as a dependent didn't have coverage or claim a coverage exemption. If you can claim any part-year exemptions or exemptions for specific members of your household, use Form 8965. This will reduce the amount of your shared responsibility payment. See the Instructions for Form 8965 for information on coverage exemptions and figuring the shared responsibility payment.

If you or someone in your household had minimum essential coverage in 2018, the provider of that coverage is required to send you and the IRS a Form 1095-A, 1095-B, or 1095-C (with Part III completed) that lists individuals in your family who were enrolled in the coverage and shows their months of coverage.

- Individuals enrolled in health insurance coverage through the Marketplace generally receive this information on Form 1095-A.
- Individuals enrolled in health insurance coverage provided by their employer generally receive this information on either Form 1095-B, or on Form 1095-C.
- Individuals enrolled in a government-sponsored health program or in other types of coverage generally receive this information on Form 1095-B.

You should receive Form 1095-A by early February 2019 and Form 1095-B or 1095-C by early March 2019, if applicable. You don't need to wait to receive your Form 1095-B or 1095-C to file your return. You may rely on other information about your coverage to complete line 61. Don't include Form 1095-A, Form 1095-B, or Form 1095-C with your tax return.

Your health care coverage provider may have asked for your social security number. To understand why, go to IRS.gov/ACASSN.

Minimum essential coverage. Most health care coverage that people have is minimum essential coverage.

Minimum essential coverage includes:

- Most types of health care coverage provided by your employer;
- Many types of government-sponsored health care coverage including Medicare, most Medicaid coverage, and most health care coverage provided to veterans and active duty service members;
- Health care coverage you buy through the Marketplace; and
- Certain types of health care coverage you buy directly from an insurance company.

See the Instructions for Form 8965 for more information on what qualifies as minimum essential coverage.

Reminder—Health care coverage. If you need health care coverage, go to www.HealthCare.gov to learn about health insurance options for you and your family, how to buy health insurance, and how you might qualify to get financial assistance to buy health insurance.

Premium tax credit. If you, your spouse, or a dependent enrolled in health insurance through the Marketplace, you may be able to claim the premium tax credit. See the instructions for Schedule 5, line 70 and Form 8962.

Line 62**Other Taxes**

Use line 62 to report any taxes not reported elsewhere on your return or other schedules. To find out if you owe the tax, see the form or publication indicated. Enter on line 62 the total of all the following taxes you owe.

Additional Medicare Tax. See Form 8959 and its instructions if the total of your 2018 wages and any self-employment income was more than:

- \$125,000 if married filing separately;
 - \$250,000 if married filing jointly;
- or
- \$200,000 if single, head of household, or qualifying widow(er).

Also see Form 8959 if you had railroad retirement (RRTA) compensation that

was more than the amount just listed that applies to you.

If you are married filing jointly and either you or your spouse had wages or RRTA compensation of more than \$200,000, your employer may have withheld Additional Medicare Tax even if you don't owe the tax. In that case, you may be able to get a refund of the tax withheld. See the Instructions for Form 8959 to find out how to report the withheld tax on Form 8959.

Check box a if you owe the tax.

Net Investment Income Tax. See Form 8960 and its instructions if the amount on Form 1040, line 7, is more than:

- \$125,000 if married filing separately,
- \$250,000 if married filing jointly or qualifying widow(er), or
- \$200,000 if single or head of household.

If you file Form 2555 or 2555-EZ, see Form 8960 and its instructions if the amount on Form 1040, line 7, is more than:

- \$21,100 if married filing separately,
- \$146,100 if married filing jointly or qualifying widow(er), or
- \$96,100 if single or head of household.

Check box b if you owe the tax.

Other taxes. For the following taxes, check box c and, in the space next to that box, enter the amount of the tax and the code that identifies it. If you need more room, attach a statement listing the amount of each tax and the code.

1. Additional tax on health savings account (HSA) distributions (see Form 8889, Part II). Identify as "HSA."

2. Additional tax on an HSA because you didn't remain an eligible individual during the testing period (see Form 8889, Part III). Identify as "HDHP."

3. Additional tax on Archer MSA distributions (see Form 8853). Identify as "MSA."

4. Additional tax on Medicare Advantage MSA distributions (see Form 8853). Identify as "Med MSA."

5. Recapture of the following credits.

a. Investment credit (see Form 4255). Identify as “ICR.”

b. Low-income housing credit (see Form 8611). Identify as “LIHCR.”

c. Indian employment credit (see Form 8845). Identify as “IECR.”

d. New markets credit (see Form 8874). Identify as “NMCR.”

e. Credit for employer-provided child care facilities (see Form 8882). Identify as “ECCFR.”

f. Alternative motor vehicle credit (see Form 8910). Identify as “AMVCR.”

g. Alternative fuel vehicle refueling property credit (see Form 8911). Identify as “ARPCR.”

h. Qualified plug-in electric drive motor vehicle credit (see Form 8936). Identify as “8936R.”

6. Recapture of federal mortgage subsidy. If you sold your home in 2018 and it was financed (in whole or in part) from the proceeds of any tax-exempt qualified mortgage bond or you claimed the mortgage interest credit, see Form 8828. Identify as “FMSR.”

7. Section 72(m)(5) excess benefits tax (see Pub. 560). Identify as “Sec. 72(m)(5).”

8. Uncollected social security and Medicare or RRTA tax on tips or group-term life insurance. This tax should be shown in box 12 of Form W-2

with codes A and B or M and N. Identify as “UT.”

9. Golden parachute payments. If you received an excess parachute payment (EPP), you must pay a 20% tax on it. This tax should be shown in box 12 of Form W-2 with code K. If you received a Form 1099-MISC, the tax is 20% of the EPP shown in box 13. Identify as “EPP.”

10. Tax on accumulation distribution of trusts (see Form 4970). Identify as “ADT.”

11. Excise tax on insider stock compensation from an expatriated corporation. See section 4985. Identify as “ISC.”

12. Interest on the tax due on installment income from the sale of certain residential lots and timeshares. Identify as “453(1)(3).”

13. Interest on the deferred tax on gain from certain installment sales with a sales price over \$150,000. Identify as “453A(c).”

14. Additional tax on recapture of a charitable contribution deduction relating to a fractional interest in tangible personal property. See Pub. 526. Identify as “FITPP.”

15. Look-back interest under section 167(g) or 460(b). See Form 8697 or 8866. Identify as “8697” or “8866.”

16. Additional tax on income you received from a nonqualified deferred compensation plan that fails to meet the requirements of section 409A. This income should be shown in box 12 of Form W-2 with code Z, or in box 15b of Form 1099-MISC. The tax is 20% of the amount required to be included in income plus an interest amount determined under section 409A(a)(1)(B)(ii). See section 409A(a)(1)(B) for details. Identify as “NQDC.”

17. Additional tax on compensation you received from a nonqualified deferred compensation plan described in section 457A if the compensation would have been includible in your income in an earlier year except that the amount wasn't determinable until 2017. The tax is 20% of the amount required to be included in income plus an interest amount determined under section 457A(c)(2). See section 457A for details. Identify as “457A.”

18. Tax on noneffectively connected income for any part of the year you were a nonresident alien (see the Instructions for Form 1040NR). Identify as “1040NR.”

19. Any interest amount from Form 8621, line 16f, relating to distributions from, and dispositions of, stock of a section 1291 fund. Identify as “1291INT.”

20. Any interest amount from Form 8621, line 24. Identify as “1294INT.”

2018 Instructions for Schedule 5

Other Payments and Refundable Credits

General Instructions

Use Schedule 5 if you have other payments or refundable credits that can't be entered directly on Form 1040. This generally includes the items that were entered in the "Payments" section of the 2017 Form 1040.

Enter the amount from Schedule 5, line 75, in the space indicated on Form 1040, line 17, for the amount from Schedule 5 and include that amount in the total on Form 1040, line 17.

Specific Instructions

Line 66

2018 Estimated Tax Payments

Enter any estimated federal income tax payments you made for 2018. Include any overpayment that you applied to your 2018 estimated tax from:

- Your 2017 return, or
- An amended return (Form 1040X).

If you and your spouse paid joint estimated tax but are now filing separate income tax returns, you can divide the amount paid in any way you choose as long as you both agree. If you can't agree, you must divide the payments in proportion to each spouse's individual tax as shown on your separate returns for 2018. For more information, see Pub. 505. Be sure to show both social security numbers (SSNs) in the space provided on the separate returns. If you or your spouse paid separate estimated tax but you are now filing a joint return, add the amounts you each paid. Follow these instructions even if your spouse died in 2018 or in 2019 before filing a 2018 return.

Divorced taxpayers. If you got divorced in 2018 and you made joint estimated tax payments with your former spouse, enter your former spouse's SSN in the space provided on the front of

Form 1040. If you were divorced and remarried in 2018, enter your present spouse's SSN in the space provided on the front of Form 1040. Also, on the dotted line next to line 66, enter your former spouse's SSN, followed by "DIV."

Name change. If you changed your name and you made estimated tax payments using your former name, attach a statement to the front of Form 1040 that explains all the payments you and your spouse made in 2018 and the name(s) and SSN(s) under which you made them.

Line 70

Net Premium Tax Credit

The premium tax credit helps pay for health insurance purchased through the Marketplace. You may be eligible to claim the premium tax credit if you, your spouse, or a dependent enrolled in health insurance through the Marketplace. Eligible individuals may have advance payments of the premium tax credit made on their behalf directly to the insurance company. You (or whoever enrolled you) should have received Form 1095-A from the Marketplace with information about your coverage and any advance credit payments. Complete Form 8962 to determine the amount of your premium tax credit, if any. If the premium tax credit you can claim exceeds your advance credit payments, your net premium tax credit will be shown on Form 8962, line 26. Enter that amount, if any, on line 70. For more information, see the Instructions for Form 8962.

Line 71

Amount Paid With Request for Extension To File

If you got an automatic extension of time to file Form 1040 by filing Form 4868 or by making a payment, enter the amount of the payment or any amount you paid with Form 4868. If you paid by debit or credit card, don't include on

line 71 the convenience fee you were charged. Also, include any amounts paid with Form 2350.

Line 72

Excess Social Security and Tier 1 RRTA Tax Withheld

If you, or your spouse if filing a joint return, had more than one employer for 2018 and total wages of more than \$128,400, too much social security or tier 1 railroad retirement (RRTA) tax may have been withheld. You can take a credit on this line for the amount withheld in excess of \$7,960.80. But if any one employer withheld more than \$7,960.80, you can't claim the excess on your return. The employer should adjust the tax for you. If the employer doesn't adjust the overcollection, you can file a claim for refund using Form 843. Figure this amount separately for you and your spouse.

You can't claim a refund for excess tier 2 RRTA tax on Form 1040. Instead, use Form 843.

For more details, see Pub. 505.

Line 73

Credit for Federal Tax on Fuels

Enter any credit for federal excise taxes paid on fuels that are ultimately used for a nontaxable purpose (for example, an off-highway business use). Attach Form 4136.

Line 74

Check the box(es) on line 74 to report any credit from Form 2439 or 8885.

If you are claiming a credit for repayment of amounts you included in your income in an earlier year because it appeared you had a right to the income, include the credit on line 74. Check box d and enter "I.R.C. 1341" in the space next to that box. See Pub. 525 for details about this credit.

If you made a tax payment that doesn't belong on any other line, include the payment on line 74. Check box d and enter "Tax" in the space next to that box.

If you have a net section 965 inclusion in 2018 and have elected to pay your net 965 tax liability in installments, check box d and enter "TAX" and the

amount of net 965 tax liability remaining.

If you check more than one box, enter the total of the line 74 credits and payments.

2018 Instructions for Schedule 6

Foreign Address and Third Party Designee

General Instructions

Use Schedule 6 if you have a foreign address or want to allow another person (other than your paid preparer) to discuss this return with the IRS.

Specific Instructions

Foreign Address

If you have a foreign address, complete the address section on page 1 of Form 1040, then complete Schedule 6 to enter the foreign country name, foreign province and county, and foreign postal code. When entering your address on page 1 of Form 1040, enter the city name on the appropriate line. Do not enter any other information on that line.

Do not abbreviate the country name. Follow the country's practice for entering the postal code and the name of the province, county, or state.

Third Party Designee

If you want to allow a friend, a family member, or any other person you choose (other than your paid preparer) to discuss your 2018 tax return with the IRS, check the "Yes" box in the "Third Party Designee" section of Schedule 6. Also, enter the designee's name, phone number, and any five digits the designee chooses as his or her personal identification number (PIN).



If you want your paid preparer to be your third party designee, check the "3rd Party Designee" box on page 1 of Form 1040. Do not complete Schedule 6.

If you check the "Yes" box, you, and your spouse if filing a joint return, are authorizing the IRS to call the designee to answer any questions that may arise during the processing of your return. You also are authorizing the designee to:

- Give the IRS any information that is missing from your return,
- Call the IRS for information about the processing of your return or the status of your refund or payment(s),
- Receive copies of notices or transcripts related to your return, upon request, and
- Respond to certain IRS notices about math errors, offsets, and return preparation.

This authorization will automatically end no later than the due date (not counting extensions) for filing your 2019 tax return. This is April 15, 2020, for most people.

Tax Topics

You can read these Tax Topics at [IRS.gov/TaxTopics](https://www.irs.gov/TaxTopics).

List of Tax Topics

All topics are available in Spanish (and most topics are available in Chinese, Korean, Vietnamese, and Russian).

Topic No.	Subject
IRS Help Available	
101	IRS services—Volunteer tax assistance, outreach programs, and identity theft
102	Tax assistance for individuals with disabilities
103	Tax help for small businesses and the self-employed
104	Taxpayer Advocate Service—Your voice at the IRS
105	Armed Forces tax information
107	Tax relief in disaster situations
IRS Procedures	
151	Your appeal rights
152	Refund information
153	What to do if you haven't filed your tax return
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Tax Topic numbers are effective January 2, 2019.

Disclosure, Privacy Act, and Paperwork Reduction Act Notice

The IRS Restructuring and Reform Act of 1998, the Privacy Act of 1974, and the Paperwork Reduction Act of 1980 require that when we ask you for information we must first tell you our legal right to ask for the information, why we are asking for it, and how it will be used. We must also tell you what could happen if we do not receive it and whether your response is voluntary, required to obtain a benefit, or mandatory under the law.

This notice applies to all papers you file with us, including this tax return. It also applies to any questions we need to ask you so we can complete, correct, or process your return; figure your tax; and collect tax, interest, or penalties.

Our legal right to ask for information is Internal Revenue Code sections 6001, 6011, and 6012(a), and their regulations. They say that you must file a return or statement with us for any tax you are liable for. Your response is mandatory under these sections. Code section 6109 requires you to provide your identifying number on the return. This is so we know who you are, and can process your return and other papers. You must fill in all parts of the tax form that apply to you. But you do not have to check the boxes for the Presidential Election Campaign Fund or for the third-party designee. You also do not have to provide your daytime phone number.

You are not required to provide the information requested on a form that is subject to the Paperwork Reduction Act unless the form displays a valid OMB control number. Books or records relating to a form or its instructions must be retained as long as their contents may become material in the administration of any Internal Revenue law.

We ask for tax return information to carry out the tax laws of the United States. We need it to figure and collect the right amount of tax.

If you do not file a return, do not provide the information we ask for, or provide fraudulent information, you may be charged penalties and be subject to criminal prosecution. We may also have to disallow the exemptions, exclusions, credits, deductions, or adjustments shown on the tax return. This could make the tax higher

or delay any refund. Interest may also be charged.

Generally, tax returns and return information are confidential, as stated in Code section 6103. However, Code section 6103 allows or requires the Internal Revenue Service to disclose or give the information shown on your tax return to others as described in the Code. For example, we may disclose your tax information to the Department of Justice to enforce the tax laws, both civil and criminal, and to cities, states, the District of Columbia, and U.S. commonwealths or possessions to carry out their tax laws. We may disclose your tax information to the Department of Treasury and contractors for tax administration purposes; and to other persons as necessary to obtain information needed to determine the amount of or to collect the tax you owe. We may disclose your tax information to the Comptroller General of the United States to permit the Comptroller General to review the Internal Revenue Service. We may disclose your tax information to committees of Congress; federal, state, and local child support agencies; and to other federal agencies for the purposes of determining entitlement for benefits or the eligibility for and the repayment of loans. We may also disclose this information to other countries under a tax treaty, to federal and state agencies to enforce federal nontax criminal laws, or to federal law enforcement and intelligence agencies to combat terrorism.

Please keep this notice with your records. It may help you if we ask you for other information. If you have questions about the rules for filing and giving information, please call or visit any Internal Revenue Service office.

We Welcome Comments on Forms

We try to create forms and instructions that can be easily understood. Often this is difficult to do because our tax laws are very complex. For some people with income mostly from wages, filling in the forms is easy. For others who have businesses, pensions, stocks, rental income, or other investments, it is more difficult.

If you have suggestions for making these forms simpler, we would be happy

to hear from you. You can send us comments through [IRS.gov/FormsComments](https://www.irs.gov/FormsComments). Or you can send your comments to Internal Revenue Service, Tax Forms and Publications Division, 1111 Constitution Ave. NW, IR-6526, Washington, DC 20224. Don't send your return to this address. Instead, see the addresses at the end of these instructions.

Although we can't respond individually to each comment received, we do appreciate your feedback and will consider your comments as we revise our tax forms and instructions.

Estimates of Taxpayer Burden

The following table shows burden estimates based on current statutory requirements as of September 2018 for taxpayers filing a 2018 Form 1040 tax return. Time spent and out-of-pocket costs are presented separately. Time burden is broken out by taxpayer activity, with recordkeeping representing the largest component. Out-of-pocket costs include any expenses incurred by taxpayers to prepare and submit their tax returns. Examples include tax return preparation and submission fees, postage and photocopying costs, and tax return preparation software costs. While these estimates don't include burden associated with post-filing activities, IRS operational data indicate that electronically prepared and filed returns have fewer arithmetic errors, implying lower post-filing burden.

Reported time and cost burdens are national averages and don't necessarily reflect a "typical" case. Most taxpayers experience lower than average burden, with taxpayer burden varying considerably by taxpayer type. For instance, the estimated average time burden for all taxpayers filing a Form 1040 is 11 hours, with an average cost of \$200 per return. This average includes all associated forms and schedules, across all tax return preparation methods and taxpayer activities.

Within this estimate there is significant variation in taxpayer activity. For example, nonbusiness taxpayers are expected to have an average burden of about 7 hours and \$110, while business taxpayers are expected to have an average burden of

about 19 hours and \$400. Similarly, tax return preparation fees and other out-of-pocket costs vary extensively depending on the tax situation of the taxpayer, the type of software or professional

preparer used, and the geographic location.

If you have comments concerning the time and cost estimates below, you can

contact us at either one of the addresses shown under *We Welcome Comments on Forms*.

Estimated Average Taxpayer Burden for Individuals by Activity

Type of Taxpayer	Percentage of Returns	Average Burden					Average Cost (Dollars)**
		Average Time (Hours)					
		Total Time*	Record Keeping	Tax Planning	Form Completion and Submission	All Other	
All taxpayers	100	11	5	2	4	1	\$200
Type of taxpayer							
Nonbusiness***	70	7	2	1	3	1	110
Business***	30	19	10	3	5	1	400

*Detail may not add to total time due to rounding.

**Dollars rounded to the nearest \$10.

***You are considered a “business” filer if you file one or more of the following with Form 1040: Schedule C, C-EZ, E, or F or Form 2106. You are considered a “nonbusiness” filer if you don’t file any of those schedules or forms with Form 1040.

Order Form for Forms and Publications



You can view and download the tax forms and publications you need at [IRS.gov/Forms](https://www.irs.gov/Forms). You also can place an order for forms at [IRS.gov/OrderForms](https://www.irs.gov/OrderForms) to avoid having to complete and mail the order form.

The most frequently ordered forms and publications are listed on the order form. You will receive two copies of each form, one copy of the instructions, and one copy of each publication you order. To help reduce waste, please order only the items you need to prepare your return.

How To Use the Order Form

Circle the items you need on the order form. Use the blank spaces to order items not listed. If you need more space, attach a separate sheet of paper.

Print or type your name and address accurately in the space provided on the

order form to ensure delivery of your order. Enclose the order form in an envelope and mail it to the IRS address shown next. You should receive your order within 10 business days after we receive your request.

Mail Your Order Form To:

Internal Revenue Service
1201 N. Mitsubishi Motorway
Bloomington, IL 61705-6613

Don't send your tax return to the address shown here. Instead, see the addresses at the end of these instructions.

▲ Cut here ▲

Save Money and Time by Going Online!

Download or order these and other forms and publications at [IRS.gov/Forms](https://www.irs.gov/Forms)

Order Form

Please print.

Name _____

Postal mailing address _____ Apt./Suite/Room _____

City _____ State _____ ZIP code _____

Foreign country _____ International postal code _____

Daytime phone number _____
()

Circle the forms and publications you need. The instructions for any form you order will be included.

Use the blank spaces to order items not listed.



Use your QR Reader app on your smartphone to scan this code and get connected to the IRS Forms and Publications homepage.

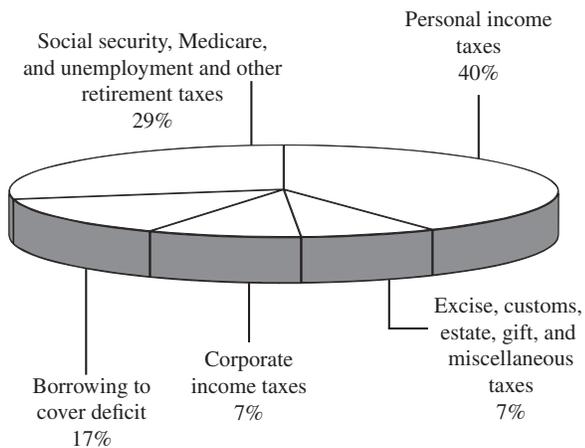
1040*	Schedule F (1040)	2106	8606	Pub. 1	Pub. 527	Pub. 587	
Schedule A (1040)	Schedule H (1040)	2441	8822	Pub. 334	Pub. 529	Pub. 590-A	
Schedule B (1040)	Schedule J (1040)	3903	8829	Pub. 463	Pub. 535	Pub. 590-B	
Schedule C (1040)	Schedule R (1040)	4562	8863	Pub. 501	Pub. 547	Pub. 596	
Schedule C-EZ (1040)	Schedule SE (1040)	4684	8917	Pub. 502	Pub. 550	Pub. 915	
Schedule D (1040)	Schedule 8812 (1040)	4868	8959	Pub. 505	Pub. 551	Pub. 946	
Form 8949	1040-ES (2019)	5405	8960	Pub. 523	Pub. 554	Pub. 970	
Schedule E (1040)	1040-V	6251	8962	Pub. 525	Pub. 575	Pub. 972	
Schedule EIC (1040)	1040X	8283	8965	Pub. 526	Pub. 583	Pub. 4681	

*If you order Form 1040, you also will receive Schedules 1 through 6.

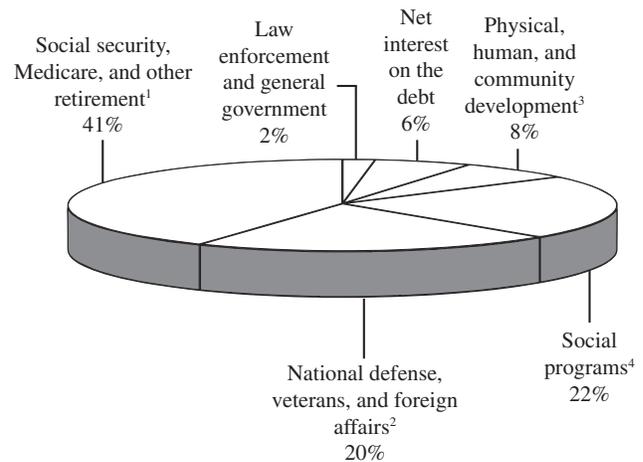
Major Categories of Federal Income and Outlays for Fiscal Year 2017

Income and Outlays. These pie charts show the relative sizes of the major categories of federal income and outlays for fiscal year 2017.

Income



Outlays*



* Numbers may not total to 100% due to rounding.

On or before the first Monday in February of each year, the President is required by law to submit to the Congress a budget proposal for the fiscal year that begins the following October. The budget plan sets forth the President's proposed receipts, spending, and the surplus or deficit for the federal government. The plan includes recommendations for new legislation as well as recommendations to change, eliminate, and add programs. After receipt of the President's proposal, the Congress reviews the proposal and makes changes. It first passes a budget resolution setting its own targets for receipts, outlays, and surplus or deficit. Next, individual spending and revenue bills that are consistent with the goals of the budget resolution are enacted.

In fiscal year 2017 (which began on October 1, 2016, and ended on September

30, 2017), federal income was \$3.316 trillion and outlays were \$3.982 trillion, leaving a deficit of \$665 billion.

Footnotes for Certain Federal Outlays

1. **Social security, Medicare, and other retirement:** These programs provide income support for the retired and disabled and medical care for the elderly.

2. **National defense, veterans, and foreign affairs:** About 15% of outlays were to equip, modernize, and pay our armed forces and to fund national defense activities; about 4% were for veterans benefits and services; and about 1% were for international activities, including military and economic assistance to foreign

countries and the maintenance of U.S. embassies abroad.

3. **Physical, human, and community development:** These outlays were for agriculture; natural resources; environment; transportation; aid for elementary and secondary education and direct assistance to college students; job training; deposit insurance, commerce and housing credit, and community development; and space, energy, and general science programs.

4. **Social programs:** About 16% of total outlays were for Medicaid, Supplemental Nutrition Assistance Program (formerly food stamps), temporary assistance for needy families, supplemental security income, and related programs; and 6% for health research and public health programs, unemployment compensation, assisted housing, and social services.

Note. The percentages shown here exclude undistributed offsetting receipts, which were \$90 billion in fiscal year 2017. In the budget, these receipts are offset against spending in figuring the outlay totals shown above. These receipts are for the U.S. Government's share of its employee retirement programs, rents and royalties on the Outer Continental Shelf, and proceeds from the sale of assets.

2018 Tax Rate Schedules



The Tax Rate Schedules are shown so you can see the tax rate that applies to all levels of taxable income. Don't use them to figure your tax. Instead, see the instructions for line 11a.

Schedule X—If your filing status is **Single**

If your taxable income is:		The tax is:	
Over—	But not over—		of the amount over—
\$0	\$9,525	10%	\$0
9,525	38,700	\$952.50 + 12%	9,525
38,700	82,500	4,453.50 + 22%	38,700
82,500	157,500	14,089.50 + 24%	82,500
157,500	200,000	32,089.50 + 32%	157,500
200,000	500,000	45,689.50 + 35%	200,000
500,000	150,689.50 + 37%	500,000

Schedule Y-1—If your filing status is **Married filing jointly** or **Qualifying widow(er)**

If your taxable income is:		The tax is:	
Over—	But not over—		of the amount over—
\$0	\$19,050	10%	\$0
19,050	77,400	\$1,905.00 + 12%	19,050
77,400	165,000	8,907.00 + 22%	77,400
165,000	315,000	28,179.00 + 24%	165,000
315,000	400,000	64,179.00 + 32%	315,000
400,000	600,000	91,379.00 + 35%	400,000
600,000	161,379.00 + 37%	600,000

Schedule Y-2—If your filing status is **Married filing separately**

If your taxable income is:		The tax is:	
Over—	But not over—		of the amount over—
\$0	\$9,525	10%	\$0
9,525	38,700	\$952.50 + 12%	9,525
38,700	82,500	4,453.50 + 22%	38,700
82,500	157,500	14,089.50 + 24%	82,500
157,500	200,000	32,089.50 + 32%	157,500
200,000	300,000	45,689.50 + 35%	200,000
300,000	80,689.50 + 37%	300,000

Schedule Z—If your filing status is **Head of household**

If your taxable income is:		The tax is:	
Over—	But not over—		of the amount over—
\$0	\$13,600	10%	\$0
13,600	51,800	\$1,360.00 + 12%	13,600
51,800	82,500	5,944.00 + 22%	51,800
82,500	157,500	12,698.00 + 24%	82,500
157,500	200,000	30,698.00 + 32%	157,500
200,000	500,000	44,298.00 + 35%	200,000
500,000	149,298.00 + 37%	500,000

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Your Rights as a Taxpayer

The Taxpayer Bill of Rights

1. The Right to Be Informed

Taxpayers have the right to know what they need to do to comply with the tax laws. They are entitled to clear explanations of the laws and IRS procedures in all tax forms, instructions, publications, notices, and correspondence. They have the right to be informed of IRS decisions about their tax accounts and to receive clear explanations of the outcomes.

2. The Right to Quality Service

Taxpayers have the right to receive prompt, courteous, and professional assistance in their dealings with the IRS, to be spoken to in a way they can easily understand, to receive clear and easily understandable communications from the IRS, and to speak to a supervisor about inadequate service.

3. The Right to Pay No More than the Correct Amount of Tax

Taxpayers have the right to pay only the amount of tax legally due, including interest and penalties, and to have the IRS apply all tax payments properly.

4. The Right to Challenge the IRS's Position and Be Heard

Taxpayers have the right to raise objections and provide additional documentation in response to formal IRS actions or proposed actions, to expect that the IRS will consider their timely objections and documentation promptly and fairly, and to receive a response if the IRS does not agree with their position.

5. The Right to Appeal an IRS Decision in an Independent Forum

Taxpayers are entitled to a fair and impartial administrative appeal of most IRS decisions, including many penalties, and have the right to receive a written response regarding the Office of Appeals' decision. Taxpayers generally have the right to take their cases to court.

6. The Right to Finality

Taxpayers have the right to know the maximum amount of time they have to challenge the IRS's position as well as the maximum amount of time the IRS has to audit a particular tax year or collect a tax debt. Taxpayers have the right to know when the IRS has finished an audit.

7. The Right to Privacy

Taxpayers have the right to expect that any IRS inquiry, examination, or enforcement action will comply with the law and be no more intrusive than necessary, and will respect all due process rights, including search and seizure protections, and will provide, where applicable, a collection due process hearing.

8. The Right to Confidentiality

Taxpayers have the right to expect that any information they provide to the IRS will not be disclosed unless authorized by the taxpayer or by law. Taxpayers have the right to expect appropriate action will be taken against employees, return preparers, and others who wrongfully use or disclose taxpayer return information.

9. The Right to Retain Representation

Taxpayers have the right to retain an authorized representative of their choice to represent them in their dealings with the IRS. Taxpayers have the right to seek assistance from a Low Income Taxpayer Clinic if they cannot afford representation.

10. The Right to a Fair and Just Tax System

Taxpayers have the right to expect the tax system to consider facts and circumstances that might affect their underlying liabilities, ability to pay, or ability to provide information timely. Taxpayers have the right to receive assistance from the Taxpayer Advocate Service if they are experiencing financial difficulty or if the IRS has not resolved their tax issues properly and timely through its normal channels.

Learn more at [IRS.gov/TaxpayerRights](https://www.irs.gov/TaxpayerRights)



Where Do You File? Mail your return to the address shown below that applies to you. If you want to use a private delivery service, see *Private Delivery Services* under *Filing Requirements*, earlier.



Envelopes without enough postage will be returned to you by the post office. Your envelope may need additional postage if it contains more than five pages or is oversized (for example, it is over 1/4" thick). Also, include your complete return address.

IF you live in...	THEN use this address if you:	
	Are requesting a refund or are not enclosing a check or money order...	Are enclosing a check or money order...
Alabama, Georgia, Kentucky, New Jersey, North Carolina, South Carolina, Tennessee, Virginia	Department of the Treasury Internal Revenue Service Kansas City, MO 64999-0002	Internal Revenue Service P.O. Box 931000 Louisville, KY 40293-1000
Alaska, Arizona, California, Colorado, Hawaii, Idaho, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming	Department of the Treasury Internal Revenue Service Fresno, CA 93888-0002	Internal Revenue Service P.O. Box 7704 San Francisco, CA 94120-7704
Arkansas, Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Montana, Nebraska, North Dakota, Ohio, Oklahoma, South Dakota, Wisconsin	Department of the Treasury Internal Revenue Service Fresno, CA 93888-0002	Internal Revenue Service P.O. Box 802501 Cincinnati, OH 45280-2501
Connecticut, District of Columbia, Maryland, Pennsylvania, Rhode Island, West Virginia	Department of the Treasury Internal Revenue Service Ogden, UT 84201-0002	Internal Revenue Service P.O. Box 37910 Hartford, CT 06176-7910
Delaware, Maine, Massachusetts, Missouri, New Hampshire, New York, Vermont	Department of the Treasury Internal Revenue Service Kansas City, MO 64999-0002	Internal Revenue Service P.O. Box 37008 Hartford, CT 06176-7008
Florida, Louisiana, Mississippi, Texas	Department of the Treasury Internal Revenue Service Austin, TX 73301-0002	Internal Revenue Service P.O. Box 1214 Charlotte, NC 28201-1214
A foreign country, U.S. possession or territory*, or use an APO or FPO address, or file Form 2555, 2555-EZ, or 4563, or are a dual-status alien	Department of the Treasury Internal Revenue Service Austin, TX 73301-0215	Internal Revenue Service P.O. Box 1303 Charlotte, NC 28201-1303

*If you live in American Samoa, Puerto Rico, Guam, the U.S. Virgin Islands, or the Northern Mariana Islands, see Pub. 570.