# Supplement — to 

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\text { J. K. LASSER'S" } \\
\text { YOUR INCOME TAX } \\
2012
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## RECENT TAX DEVELOPMENTS*


#### Abstract

APRIL 17 FILING DEADLINE You have until Tuesday, April 17, 2012, to file your 2011 federal tax return and pay any taxes due. The deadline is the 17th because April 15 this year is a Sunday and Monday, April 16, is Emancipation Day, a legal holiday in the District of Columbia. If you file for an extension, the due date for filing is October 15, but if taxes are not paid by April 17, interest will be charged and late payment penalties could also be imposed in certain cases.

\section*{PAYROLL TAX CUT EXTENSION IS PENDING BUT STILL WAITING FOR EXTENSION OF OTHER EXPIRED TAX BREAKS}


As of mid-February*, an extension of the $2 \%$ payroll tax reduction was not yet a done deal, but it was close. After months of haggling by Congressional Democrats and Republicans as to whether and how to offset the cost of extending the reduction beyond February 29, Congressional leaders announced a tentative agreement to put off consideration of revenue offsets for now and simply extend the $2 \%$ reduction for the rest of 2012. If the extension is enacted, the rate for the employee portion of Social Security will stay at $4.2 \%$; otherwise it will go back to $6.2 \%$ (the pre-2011 rate). The situation in Congress is extremely fluid, so visit jklasser.com for updates.

The payroll tax cut may be the most urgent item in the "extenders" agenda, but Congress also has to decide about extending to 2012 numerous other provisions that have already expired, including the higher limits for some provisions (such as for first-year expensing and AMT exemptions) that were temporarily added to the Code but which expired at the end of 2011. There was a possibility that the debate over the payroll tax cut extension might serve as the vehicle for a larger "extenders" bill, but it is now fairly certain that there will not be broad extenders legislation anytime soon. Given the political realities, retroactive extenders legislation probably will be delayed, assuming it happens at all, until after the November elections.
Among the expired tax breaks that will need a retroactive extension to January 1 if they are to be allowed for 2012 are the deductions for state and local sales taxes, tuition and fees, and educator expenses, and the provision allowing those age $701 / 2$ or older to avoid tax on IRA distributions up to $\$ 100,000$ that are directly transferred to charity. An extenders bill will likely restore for 2012 the limits on business equipment writeoffs that expired at the end of last year: $100 \%$ bonus depreciation for qualifying new property (reduced to $50 \%$ since January 1 ), and the $\$ 500,000$ limit on first-year expensing of new or used equipment (reduced to $\$ 139,000$ since January 1).
AMT. Also needing an extension is a "patch" for the AMT exemptions and the rule allowing all personal nonrefundable tax credits to offset AMT as well as regular tax liability. Over the last decade, Congress has

[^0]had to provide "patches" to prevent the AMT exemptions from falling back to pre-2001 levels, which would subject millions of taxpayers to the AMT. The exemption for married couples filing jointly (and qualifying widows or widowers), which is $\$ 74,450$ for 2011 , would fall to $\$ 45,000$ for 2012 without a patch. For single persons and heads of households, the exemption would fall from $\$ 48,450$ for 2011 to $\$ 33,750$ for 2012, and for married persons filing separately, the reduction would be from $\$ 37,225$ to $\$ 22,250$. Without an extension of the 2011 credit provision, certain tax credits such as the dependent care credit and the Lifetime Learning credit would be allowed only to the extent a taxpayer's regular tax liability exceeded tentative AMT liability.

Congress will not allow a massive AMT tax increase to take effect, but as with the other "extenders," retroactive AMT relief will probably have to wait until the end of the year.

## SAFE HARBOR METHOD NEEDED TO PRESERVE VEHICLE DEPRECIATION DEDUCTIONS IF 100\% BONUS ALLOWANCE IS USED (43.4, 43.5)

If you claim the $100 \%$ bonus depreciation allowance for a car, light truck, or van purchased new after September 8, 2010 and placed in service before 2012, the first-year depreciation limit is increased but there is a complication for later years. Under the rules for figuring "unrecovered basis," no depreciation deductions at all would be allowed for years two through six of the recovery period, and the remaining basis over the first-year depreciation cap ( $\$ 11,060$ for a 2011 car, $\$ 11,260$ for a truck/van) would be deductible (subject to the annual cap) starting in year seven.

Since $100 \%$ bonus depreciation was supposed to reward new investments, this result seems unfair. The IRS calls this an "anomalous" result, and is allowing a way around it by providing a safe harbor method that can be used starting in the second recovery year (Revenue Procedure 2011-26). Therefore, a taxpayer who used $100 \%$ bonus depreciation on Form 4562 with his or her 2010 return (for a vehicle placed in service after September 8 and before 2011) will claim the safe harbor on the 2011 return. If a taxpayer is using the $100 \%$ bonus for 2011 , the safe harbor will be claimed on the 2012 return.

The following example (based on Publication 463 examples) shows how the safe harbor method works.

## EXAMPLE

Marsha Kline bought a new car in 2011 for $\$ 20,000$ that she used $100 \%$ for business. For 2011, she uses $100 \%$ bonus depreciation and claims a deduction of $\$ 11,060$ (first-year depreciation limit for 2011). Without the IRS safe harbor, the $\$ 8,940$ of leftover basis ( $\$ 20,000-\$ 11,060$ ) would be treated as "unrecovered basis" that could not be deducted until 2017 (the year after the end of the 6 -year recovery period), at which point annual deductions could not exceed $\$ 1,775$ (the 2011 limit for the $4^{\text {th }}$ and later years, assuming $100 \%$ business use).

By electing the safe harbor method for 2012 (2 $2^{\text {nd }}$ year), Marsha can claim depreciation deductions for the leftover basis without having to wait until 2017. With the safe harbor, "unrecovered basis" is refigured as if $50 \%$ bonus depreciation was used for 2011 rather than $100 \%$ bonus depreciation:

The allowable amount of 2011 depreciation under the safe harbor is "deemed" to be $\$ 12,000$ : Bonus depreciation of $\$ 10,000$ ( $50 \%$ bonus $\times \$ 20,000$ depreciable basis) plus $\$ 2,000$ of regular depreciation ( $\$ 10,000$ remaining basis after bonus $\times 20 \%$ MACRS first-year rate under the half-year convention). However, the $\$ 12,000$ deemed deduction is limited to the first-year limit of $\$ 11,060$. Unrecovered basis for the car is considered to be $\$ 940$, the deemed deduction of $\$ 12,000$ less the actual $\$ 11,060$ deduction under the
first-year limit. Only the $\$ 940$ of refigured unrecovered basis is deferred to 2017.

For 2012, Marsha's depreciation for the car will be $\$ 3,200$, assuming $100 \%$ business use. $\$ 3,200$ is the depreciation figured under the depreciation table ( $\$ 10,000$ basis ( $\$ 20,000$ cost $-\$ 10,000$ deemed first-year $50 \%$ bonus) $\times 32 \%$ second-year rate under MACRS depreciation table). Since this is less than the $\$ 4,900$ depreciation cap for the second year, Marsha's 2012 deduction is $\$ 3,200$.

Note: If Marsha's car had cost $\$ 18,433$ or less, there would have been no unrecovered basis under the steps of the safe harbor because the "deemed" amount of depreciation would not exceed the actual $\$ 11,060$ deduction (the first-year limit) for 2011. In this type of situation, there would be further complications in applying the IRS safe harbor and figuring the deduction for 2012. Publication 463 has an example illustrating these steps.

## IRS EXPANDS ELIGIBILITY FOR PONZI SCHEME THEFT LOSS SAFE HARBOR (18.9)

In 2009, the IRS provided guidelines to investors who lose money in Ponzi schemes and similar fraudulent investment schemes, allowing them to claim a theft loss deduction. The IRS provided an optional safe harbor in Revenue Procedure 2009-20 that allows defrauded investors to deduct either $75 \%$ or $95 \%$ of their "qualified investment," less any actual or projected recovery from insurance, loss-protection arrangement, or the SIPC (Securities Investor Protection Corporation). The $75 \%$ deduction applies if the investor intends to pursue a third-party recovery and the $95 \%$ amount applies if a third-party recovery will not be pursued. The remaining $5 \%$ or $25 \%$ of the loss is deductible in the year in which there is no longer a reasonable prospect of reimbursement.

However, as originally provided under Revenue Procedure 2009-20, the safe harbor deduction could be claimed only if the "lead figure" in the scheme had been charged by federal or state authorities with fraud, embezzlement or a similar crime that would be considered a theft, and the investors could only claim the $95 \%$ or $75 \%$ deduction in their "discovery year," defined as the year in which the lead figure is criminally charged with theft. These requirements prevent investors from taking advantage of the safe harbor if the lead figure dies before the authorities can charge him or her with criminal theft.

This has indeed happened in recent years according to the IRS, as some lead figures in Ponzi schemes have died before they could be criminally charged. To avoid denial of the safe harbor in such cases, the IRS has retroactively revised Revenue Procedure 2009-20.

A loss is now considered "qualified," that is, eligible for safe harbor treatment, if the assets of the investment scheme have been frozen or a receiver or trustee is appointed after a state or federal agency files a civil complaint in a court or administrative proceeding alleging a fraudulent arrangement conducted by the lead figure, and the lead figure dies before being charged with criminal theft. The definition of "discovery year" has been similarly expanded, so that it now includes the year of the lead figure's death where that is later than the year that the civil complaint is filed. These revisions apply retroactively to losses for which the discovery year is 2008 or later (Revenue Procedure 2011-58).

## IRS MILEAGE RATES FOR 2012

## (12.3, 14.4, 17.9, 20.33, 43.1)

You can use the IRS's standard mileage rate instead of deducting actual expenses when using your car for business, medical, moving, or charitable purposes. For 2012, the standard mileage rates are:

- For business driving, 55.5 cents per mile
- For medical and moving expenses, 23 cents per mile
- For driving as a charitable volunteer, 14 cents per mile

The 55.5 cents per mile business rate is the same as the rate that applied from July 1 through December 31, 2011 (the rate was 51 cents for the first six months of 2011). The 23 -cent rate for medical and moving expenses deduction purposes is 0.5 cents less than the amount allowed for the last six months of 2011 (19 cents for first six months of 2011). The 14 -cent-per-mile rate for charitable volunteers is fixed by statute and is not subject to change by the IRS.

To use the standard mileage rate, you need records of your mileage to substantiate your deduction, but since you are not deducting actual costs you are not required to keep receipts to substantiate driving-related costs such as gasoline. However, you should keep records of parking fees and tolls, which may be added to the applicable 55.5, 23 , or 14 cent-per-mile-rate in figuring your deduction.

Business driving. You can use the business standard mileage rate for a car, van, pickup, or panel truck that you own or lease. If you maintain a fleet of vehicles, you cannot claim the standard rate for more than four vehicles used simultaneously. The IRS had requested comments as to whether the four-vehicle limitation should be eliminated, but given the lack of response from the public, the IRS has decided to retain the limit.

Using the business standard rate is an alternative to deducting actual expenses including gasoline, oil, repairs, insurance, and license fees, plus depreciation (if you own the vehicle) or lease payments (for a lease). However, parking fees and tolls are deductible in addition to the standard rate.

If in the year you place a vehicle in service you claim actual expenses plus depreciation using a method other than straight-line over estimated useful life, you cannot claim the business standard mileage rate for any later year for that vehicle. For example, if on your 2011 return you claim Section 179 expensing, bonus depreciation, or regular MACRS depreciation for a business truck, you will not be allowed to use the 55.5 cents per mile rate for that truck on your 2012 return, or the applicable standard rate for any later year.

For each mile that you claim the standard mileage rate for a vehicle that you own (rather than lease), you must reduce your basis in the vehicle by a deemed depreciation rate set by the IRS. For 2012, the deemed depreciation rate will be 23 cents per mile. It was 22 cents per mile for 2011 driving, 23 cents for 2010, and 21 cents per mile for 2009 and 2008.

Employee reimbursements. Employees who use their vehicles for work and who are reimbursed under an "accountable" plan in 2012 will not be taxed on reimbursements up to the 55.5 cents per mile standard rate.

## PHASEOUT OF TRADITIONAL IRA \& ROTH IRA CONTRIBUTIONS FOR 2012

 (8.2, 8.4, 8.20)The basic 2012 contribution limit for traditional and Roth IRAs is remaining at $\$ 5,000$, although it was potentially subject to a cost-ofliving adjustment. The limit is increased by $\$ 1,000$ for those who will be age 50 or older by the end of 2012; the $\$ 1,000$ amount is fixed by statute and not subject to annual cost-of-living adjustments.

For traditional IRAs, the $\$ 5,000$ or $\$ 6,000$ (age 50 or older) contribution limit is also the deductible limit except for active participants in employer retirement plans with modified adjusted gross income (MAGI) above the phaseout threshold. For married couples filing jointly and qualifying widows or widowers, the phaseout threshold for deductible contributions to traditional IRAs is increasing by $\$ 2,000$ to $\$ 92,000$, with the phaseout complete when 2012 MAGI is $\$ 112,000$ or more. For single taxpayers and heads of households, the phaseout threshold is also increasing by $\$ 2,000$, to $\$ 58,000$; the phaseout is complete when MAGI is $\$ 68,000$ or more. The threshold is $\$ 173,000$ (up from $\$ 169,000$ ) for a married person filing jointly who is not an
active plan participant but whose spouse is, and the phaseout for that non-participant spouse is complete when MAGI is $\$ 183,000$ or more.
For Roth IRAs, the $\$ 5,000$ or $\$ 6,000$ contribution limit is phased out for married persons filing jointly and qualifying widows or widowers with 2012 MAGI exceeding $\$ 173,000$, up from $\$ 169,000$, and the phaseout will be complete if MAGI is $\$ 183,000$ or more. For single taxpayers and heads of households, the phaseout threshold is increasing to $\$ 110,000$ from $\$ 107,000$; the phaseout will be complete if 2012 MAGI is $\$ 125,000$ or more.

## IRS EASES REQUIREMENTS FOR INNOCENT SPOUSE EQUITABLE RELIEF <br> (1.9)

Last summer, the IRS eliminated its two-year deadline for requesting equitable relief after severe criticism of the time limit, and in January it proposed major revisions to its guidelines for granting equitable relief requests. The proposed rules take effect immediately while the IRS considers public comments before finalizing its guidelines.

The IRS says it will take into account all the facts and circumstances in deciding whether to grant equitable relief. Factors that will be considered in making the determination include whether the couple has separated or divorced, and whether the requesting spouse: would suffer economic hardship if relief were denied, knew or had reason to know that tax was understated on the joint return or that the tax would not be paid, significantly benefitted from the underpaid tax, and complied with his or her tax obligations in the years following the year for which relief is sought. A request for relief for unpaid taxes must be made before the statute of limitations on IRS collections expires, which generally is 10 years after the tax has been assessed.

A major change involves how the IRS will take into account both spousal abuse and the degree of financial control by the other spouse (the non-requesting spouse). If the spouse requesting equitable relief was the victim of physical or psychological abuse, or was unable to challenge how items were treated on the joint return or why taxes were not paid because the non-requesting spouse controlled the family finances, the abuse or lack of financial control may mitigate other factors that might otherwise weigh against granting equitable relief.
The IRS will grant equitable relief in a streamlined determination if the spouses are no longer married, the requesting spouse faces economic hardship, and he or she did not know or have reason to know that tax was understated or would not be paid, taking into account any abuse or lack of financial control. If the conditions for streamlined relief are met, the other factors normally taken into account will not be considered (Notice 2012-8).

## REPORTING FOREIGN FINANCIAL ASSETS AND ACCOUNTS (36.13, 48.6)

The IRS and Justice Department are cracking down on U.S. taxpayers who fail to report income from overseas accounts. Under the Foreign Account Tax Compliance Act (FATCA), new reporting obligations have been imposed on U.S. citizens and resident aliens with certain foreign financial assets. The IRS has developed Form 8938 to enforce these reporting obligations.

FATCA also requires foreign financial institutions to report to the IRS information about financial accounts held by U.S. taxpayers or by foreign entities that are controlled by U.S. taxpayers. The government has been publicizing its efforts with foreign banks to disclose U.S. accounts, leading in some cases to prosecutions. At the same time, the IRS has tried in recent years to get non-compliant taxpayers to voluntarily disclose their foreign holdings and pay what they owe. In January the IRS announced a new offshore voluntary disclosure program.

New Form 8938 may be required with 2011 return. Form 8938 must be filed with Form 1040 if you have specified foreign financial assets (SFFAs) at the end of the year in excess of the applicable threshold. Since the reporting requirement applies to tax years beginning after March $18,2010,2011$ is the first year for which most individual taxpayers are affected. SFFAs include, in addition to financial accounts maintained by foreign financial institutions, foreign stocks and securities, financial instruments or contracts issued by a foreign party, and interests in certain foreign estates, trusts, and partnerships. The Form 8938 instructions have detailed definitions and exceptions.

There are different filing thresholds for U.S. citizens and resident aliens, depending on whether they live in the U.S. and their filing status. For unmarried taxpayers living in the U.S., and married taxpayers filing separately and living in the U.S., Form 8938 must be filed with their 2011 Form 1040 if their SFFAs at the end of 2011 exceeded $\$ 50,000$, or if they exceeded $\$ 75,000$ at any time in 2011. For married couples filing jointly and living in the U.S., reporting is required if year-end SFFAs exceed $\$ 100,000$, or they were over $\$ 150,000$ at any time during the year. For a U.S. citizen living abroad who has been a bona fide foreign resident for a full year or who meets a 330-day physical presence test, Form 8938 must be filed if the year-end value of SFFAs exceeded $\$ 200,000$, or exceeded $\$ 300,000$ at any time during the year; these thresholds are doubled to $\$ 400,000 / \$ 600,000$ for married couples filing jointly. The Form 8938 instructions have examples of situations when filing is or is not required.

Note that Form 8938 reporting may be required in addition to filing Form TD F 90-22.1 (Report of Foreign Bank and Financial Accounts, or FBAR), which generally must be filed by June 30 if you had foreign financial accounts exceeding $\$ 10,000$ at any time in the prior calendar year.

Penalties. Failure to file a timely and correct Form 8938, or understating tax by omitting income attributable to an SFFA, can result in a substantial penalty. There is a $\$ 10,000$ penalty for not filing a required Form 8938 by the due date (including extensions), and a continuing failure to file within 90 days after receiving IRS notice to file may result in additional $\$ 10,000$ penalties for each 30 -day period, up to a maximum additional penalty of $\$ 50,000$. Showing reasonable cause can avoid a failure to file penalty.

There is a $40 \%$ penalty for underpaying tax if you do not disclose an SFFA and income related to the SFFA is not reported on your return. An underpayment due to fraud is subject to a $75 \%$ penalty.
IRS Reopens Voluntary Disclosure Program for Offshore Accounts. The IRS is trying for a third time to encourage individuals with unreported income from offshore accounts to voluntarily come forward and pay what they owe. As in the previous disclosure programs offered in 2009 and 2011, the IRS offers to remove the threat of criminal prosecution and to impose lower penalties than would otherwise apply if the taxpayer did not volunteer and was caught by the government. About 33,000 taxpayers have made voluntary disclosures under the two prior initiatives, with the IRS collecting so far $\$ 3.4$ billion from the 2009 program disclosures and $\$ 1$ billion from the 2011 program disclosures. Individuals who have stepped forward since the 2011 initiative was closed will be subject to the terms of the new program.

The new program, unlike the previous two, does not have a set deadline to apply. However, the IRS could change the terms at any time, including the penalties, or even terminate the program. To participate in the new program, taxpayers must file original or amended returns for the past eight years (back to 2003) and pay all back taxes and interest for those years including late filing and payments penalties plus the 20\% accuracy-related penalties for underpayments. They must sign a Form 872 extending the statute of limitations for closed years, and also sign a consent form to extend the limitations period for IRS assessments of foreign bank account reporting penalties.

Participants must pay a penalty, generally $27.5 \%$ of the highest aggregate balance in foreign bank accounts/entities or value of foreign assets in the eight years prior to disclosure. The $27.5 \%$ penalty is in lieu of all other penalties that could be applied, including penalties for failure to file an FBAR (TD F 90-22.1, Report of Foreign Bank and Financial Accounts). For taxpayers with "small" offshore accounts or assets of no more than $\$ 75,000$ in any of the eight years, the penalty is $12.5 \%$ instead of $27.5 \%$. In limited cases, such as for certain inherited accounts or certain accounts of foreign residents, the penalty may be reduced to $5 \%$.

Taxpayers who make a voluntary disclosure may decide that the $27.5 \%$ penalty is disproportionate to what they would otherwise owe and may choose instead to have their case handled under the standard audit procedures. Taxpayers considering such an "opt out," and their tax advisors, should examine the IRS's detailed "Frequently Asked Questions and Answers" on the offshore disclosure program. From the IRS homepage at irs.gov, search for the "How to Make an Offshore Voluntary Disclosure" page, which has a link to the questions and answers.

## INCREASED SOCIAL SECURITY WAGE BASE FOR 2012

(26.9, 34.5, 45.3)

Because Social Security recipients are getting a cost-of-living increase (a $3.6 \%$ COLA) for their 2012 monthly benefits, the earnings base for the Social Security tax also is higher. Social Security taxes apply to the first $\$ 110,100$ of 2012 wages; for 2009-2011, the wage limit was $\$ 106,800$. The government estimates that about 10 million of the 161 million Social Security recipients will pay higher taxes because of the increase in the tax base.

It now seems clear that the employee Social Security tax rate will remain $4.2 \%$ for the whole year. For 2011, the rate for the employee portion of Social Security was reduced $2 \%$, from $6.2 \%$ to $4.2 \%$. At the end of 2011, Congress extended the $4.2 \%$ withholding rate through February 29, 2012, and as of mid-February, Congress was on the verge of extending the $2 \%$ reduction through the end of 2012; see page 3 of this Supplement.

Assuming Congress enacts legislation that keeps the $4.2 \%$ rate for all of 2012, the maximum Social Security tax withheld from an employee will be $\$ 4,624.20(4.2 \% \times \$ 110,100)$. Employers will pay the full $6.2 \%$ Social Security rate on wages up to $\$ 110,100$. Self-employed individuals will pay both the employee and employer shares of Social Security when figuring 2012 self-employment tax on Schedule SE, so if the $4.2 \%$ rate is retained for the whole year, self-employed taxpayers will pay a Social Security rate of $10.4 \%$ ( $4.2 \%$ employee share $+6.2 \%$ employer share, the same as for 2011) on their first $\$ 110,100$ of net earnings, after earnings are reduced by $7.65 \%$. Regardless of what the Social Security rate is, all wages are subject to the Medicare tax of $1.45 \%$, and all self-employment net earnings (after the $7.65 \%$ reduction on Schedule SE) are subject to the Medicare tax of $2.90 \%$ (employee and employer shares). The tax base limit of $\$ 110,100$ does not apply to Medicare taxes. An above-the-line deduction will be allowed to self-employed individuals for an "employer-equivalent" portion of the self-employment tax figured on Schedule SE; as on the 2011 Schedule SE, the 2012 deduction will be equivalent to what would it would have been had the Social Security rate been $6.2 \%$ instead of $4.2 \%$.
Retirement earnings tests for 2012. Social Security benefits are reduced for those who are at least age 62 and under the current full Social Security retirement age of 66 (for those born in 1943-1954). For benefit recipients who are under age 66 in 2012, benefits will be reduced by $\$ 1$ for every $\$ 2$ of earnings over $\$ 14,640$. For recipients who attain age 66 in 2012, benefits will be reduced by $\$ 1$ for every $\$ 3$ over $\$ 38,880$, but only for months prior to the month of the 66th birthday.

There is no benefit reduction for earnings starting in the month that age 66 is reached.

A more favorable rule applies if 2012 is the first year of receiving benefits. If it is and the recipient will not reach age 66 until after 2012, there will be no benefit reduction for any month in which 2012 earnings do not exceed $\$ 1,220(1 / 12$ of $\$ 14,640)$. If age 66 will be reached in 2012, there will be no benefit reduction for any month prior to the 66th birthday month in which earnings do not exceed $\$ 3,240$ ( $1 / 12$ of $\$ 38,880$ ).

## EMPLOYER RETIREMENT PLAN LIMITS FOR 2012 (7.17, 7.18, 7.21, 7.22, 8.17, 41.2, 41.4, 41.9)

The contribution limit for elective deferrals is increasing slightly for 2012, but other limits, such as for SIMPLE plans and catch-up contributions to employer plans, are unchanged.
Elective deferrals. The limit for elective deferrals is increasing $\$ 500$ for 2012, to $\$ 17,000$ from $\$ 16,500$. The $\$ 17,000$ limit applies to $401(\mathrm{k})$, 403(b) and 457 plans, the federal government's Thrift Savings plan and pre-1997 salary-reduction SEP plans. If such plans allow, individuals who are age 50 or older by the end of the year may make an additional "catch-up contribution." The catch-up contribution limit for 2012 is staying at $\$ 5,500$.

For a SIMPLE IRA, the deferral limit remains $\$ 11,500$, and the catchup limit remains $\$ 2,500$ for those age 50 or over by the end of 2012.
Defined contribution plans and pension plans. The overall 2012 limitation on employee and employer contributions (including forfeitures) to a defined contribution plan (such as a self-employed profit-sharing SEP or Keogh) is increasing to \$50,000 from \$49,000. The general limitation on the annual benefit from a defined benefit pension plan increases to $\$ 200,000$ from $\$ 195,000$.
Compensation limit. The maximum amount of compensation that can be taken into account when applying the contribution limits increases to $\$ 250,000$ from $\$ 245,000$.

SEP eligibility. Employees meeting the age and service requirements must be covered by an SEP if they have 2012 compensation exceeding $\$ 550$, the same threshold as in 2011.

Definition of key employee or highly compensated employee. The earnings threshold for determining highly compensated employees under the nondiscrimination rules is raised to $\$ 115,000$ from $\$ 110,000$. The threshold for treating officers as key employees under the top-heavy plan rules increases to $\$ 165,000$ from $\$ 160,000$.

## MEDICARE BENEFICIARIES MAY FACE HIGHER PART B AND PART D PREMIUMS IN 2012 (34.11)

All Medicare Part B enrollees will pay the basic $\$ 99.90$ monthly premium for 2012 unless a higher premium is owed under the surcharge rule for high-income individuals. As discussed below, the surcharge applies to those whose 2010 income exceeded $\$ 85,000$, or $\$ 170,000$ if married filing jointly. Part B premiums cover eligible physician services,
outpatient hospital services, outpatient laboratory and diagnostic services, certain home health services, and durable medical equipment. The $\$ 99.90$ premium is set to cover $25 \%$ of the average cost of Part B services plus a contingency reserve.

For most Part B enrollees, about $70 \%$, the basic $\$ 99.90$ premium for 2012 represents an increase. There was no Part B premium increase in 2010 or 2011 for about $73 \%$ of Part B enrollees, who were "held harmless" from higher premiums because there was no cost-of-living increase to Social Security benefits for those years. In 2011, those who had enrolled before 2010 paid the same $\$ 96.40$ monthly Part B premium that had been in effect since 2008, assuming their Part B premiums were withheld by Social Security and they were not subject to the 2011 surcharge for higher-income enrollees. For such individuals, the basic monthly premium of $\$ 99.90$ represents an increase of $\$ 3.50$ per month. According to the government, the 3.6\% Social Security cost-of-living increase for 2012 should cover the \$3.50 Part B increase for most beneficiaries.

Individuals who first enrolled in Part B in 2010 (about 3\% of the total) and had their Part B premiums withheld by Social Security paid a monthly premium in 2010 and 2011 of $\$ 110.50$ (assuming no surcharge), so for them, the new basic premium of $\$ 99.90$ represents a decrease of $\$ 10.60$ per month. For those who enrolled in 2011, the basic 2011 premium was $\$ 115.40$ per month, so for them the decrease in the premium is $\$ 15.50$ per month, assuming they are not subject to the surcharge for 2012.

Individuals who first enroll in 2012 also pay the basic monthly premium of $\$ 99.90$ unless they are subject to the income-based surcharge. Individuals who qualify for Medicaid as well as Medicare have their Part B premiums paid by Medicaid.
Part B surcharge for 2012 based on 2010 MAGI and filing status. Whether the premium surcharge applies depends on your adjusted gross income plus tax-exempt interest (modified adjusted gross income, or MAGI) for the year that is two years prior to the year for which the surcharge is determined. That is why the potential Part B surcharge for 2012 is based on your MAGI for 2010. About $4 \%$ of Part B enrollees are expected to be subject to a surcharge for 2012. If your income has declined substantially since 2010, you can apply to Medicare to have that more recent year used as the base year for determining if the surcharge applies.
As shown in the table below, there are four levels of surcharge for individuals who had 2010 MAGI over $\$ 85,000$, or joint filers with 2010 MAGI exceeding $\$ 170,000$. For married persons filing separately in 2010, a more accelerated two-level surcharge applies. The filing status for 2010 is used even if the filing status for 2012 will be different.

## Part D premium increase applies if Part B surcharge applies.

 Premiums for Part D prescription drug coverage vary, but the government estimates that the average 2012 premium for basic Part D prescription drug coverage will be $\$ 30$ per month, plus $\$ 8$ for supplemental coverage. Since last year, Medicare enrollees subject to a Part B surcharge also pay a surcharge in addition to their regular Part D premium. For 2012, the Part D surcharge can be as much as $\$ 66.40$ per month. The Part D surcharge is shown in the last column of the table below. The Part D surcharge is generally deducted from Social Security benefits.|  | 2012 Medicare Part B Premiums and Part D Premium Surcharges |
| :---: | :---: | :---: | :---: | :---: |
| Based on 2010 MAGI and Filing Status |  |

## CORRECTIONS \& ADDITIONS TO THE TEXT OF YOUR INCOME TAX 2012

Note to our readers: If you have the Professional Edition of J.K. Lasser's Your Income Tax 2012, the changes listed below may already be included. Page references in the item headings below are to Your Income Tax 2012. For additional updates, visit jklasser.com.

Tax News for 2011-Deduction for portion of self-employment tax (page xxy). Because of the $2 \%$ reduction in the self-employment tax rate for 2011, the computation of the above-the-line deduction for self-employment tax (Line 27, Form 1040) is different from that of prior years, but the amount of the 2011 deduction is the same as it would have been (on the same net earnings) under prior law when the tax rate was $2 \%$ higher.

Where to mail Form 1040 for 2011 (page 5). For residents of Alabama, Georgia, North Carolina, and South Carolina who are not making a payment with their Form 1040, the zip code for the IRS's Kansas City office is 64999-0002.

IRS eases requirements for equitable relief (page 20). In January 2012, the IRS announced new guidelines that make it easier for victimized spouses to obtain equitable relief. The IRS guidelines are discussed on page 5 of this Supplement.

Qualified transportation fringe benefits (page 63). For 2012, the monthly tax-free limit for transit passes and employer-provided commuter transportation is reduced to $\$ 125$ per month because the law allowing parity with parking benefits expired at the end of 2011. The 2012 tax-free limit for parking is $\$ 240$ per month. It is not clear if Congress will extend the parity rule for mass transit benefits to 2012.

Employer-provided cell phones not taxed to employees (page 64). The IRS will treat an employer-provided cell phone as a tax-free working condition fringe benefit when it is given to an employee primarily for business and not compensatory reasons (Notice 2011-72).
Parsonage allowance allowed only for single home (page 68). The Eleventh Circuit reversed the Tax Court decision that allowed a minister to claim the parsonage allowance exclusion for a second home (Driscoll, CA-11, 2/8/12).

Exclusion for gain on small business stock (page 107). The 100\% exclusion that applies to gains on the sale of qualified small business stock bought after September 27, 2010 and before 2012 and held over five years has not yet been extended to stock acquired after 2011. If the $100 \%$ exclusion is not extended, the exclusion will fall to $50 \%$ for gains on qualified stock acquired in 2012 and held over five years.

Gain on empowerment zone assets (page 107). The rollover provision for gain on the sale of empowerment zone assets expired at the end of 2011, but it may be extended to 2012 as part of "extenders" legislation that Congress is expected to enact.

Sales expenses on Form 8949 and Schedule D (pages 108-112). If the broker reported the gross sales price on Form 1099-B, that amount should be reported in column (e) of Form 8949 and sales expenses should be entered as a negative adjustment in column (g), with code O entered in column (b). For purposes of the example on pages 108112, assume that the net sales proceeds (gross proceeds minus expenses) were reported on Form 1099-B and in column (e) of Form 8949. In the sample Form 8949 on page 110, there should be no entries in column (b).

Tax-free direct transfer from IRA to charity (pages 200, 313). The law that allowed taxpayers age $701 / 2$ and older to annually exclude from income direct transfers of up to $\$ 100,000$ in IRA funds to charitable organizations expired at the end of 2011 and has not yet been extended to 2012, although an extension is expected.

Husband and wife report qualified joint venture election for rental real estate business on Schedule $\mathbf{E}$ (pages 229, 636, 711). If you and your spouse have made a qualified joint venture election for a rental real estate business, or are making the election for 2011, you must each file a separate Schedule E to report your shares of the rental income and deductions, rather than Schedule C as in prior years.
Capitalization regulations distinguish repairs from improvements (page 231). The IRS has released temporary regulations designed to clarify when expenses for buildings and structural components can be immediately deducted as repairs rather than capitalized as improvements subject to depreciation. For example, replacing a roof is treated as an improvement to the building unit that must be capitalized. An improvement to a building system, such as to the HVAC (heating, ventilation, air conditioning), plumbing, electrical, fire protection, or security systems, also must be capitalized. The regulations apply to expenses in taxable years beginning on or after January 1, 2012 (T.D. 9564, 12/27/11).

Percentage depletion (page 244). The $100 \%$ taxable income limitation on percentage depletion, which was suspended for tax years beginning in 2009 through 2011, has not yet been extended beyond 2011.

Limited partner definition under passive loss rules (pages 262, 263). The IRS has released proposed regulations that redefine a limited partner for purposes of applying the material participation tests. Under the proposed regulations, a partner or LLC member is treated as a limited partner only if he or she does not have the right to participate in management.

Professional gambler's business expenses (page 275). The IRS will follow a 2011 Tax Court decision (Mayo, 136 TC 81) that allows a professional gambler to deduct as regular Schedule C business expenses gambling-related expenses other than wagers, such as transportation costs and meals and lodging at gambling events (Acquiescence AOD 2011-06, 2012-3 IRB). Such expenses are not subject to the rule that limits the deduction for wagering losses to wagering gains.
Above-the-line deductions for educator expenses and tuition/ fees (pages 298-299, 578-579). The up-to- $\$ 250$ deduction for an educator's out-of-pocket expenses and the tuition and fees deduction (up to $\$ 4,000$ or $\$ 2,000$ depending on your income) expired at the end of 2011. It is expected that they will be included in "extenders" legislation when Congress is able to agree on a package that extends expired provisions to 2012.

Net disaster losses occurring before 2010 (pages 307, 387, 389). For 2010, an additional standard deduction could be claimed on Schedule L for a net disaster loss that occurred in 2008 or 2009 if it did not become clear until 2010 that the loss would not be reimbursed. For 2011, the IRS instructions for Form 1040 do not allow an additional standard deduction for any net disaster loss. For taxpayers who itemize deductions for 2011, the $10 \%$ AGI floor for personal-use casualty losses (Form 4684) applies to all federal disaster losses; the exception
for 2008/2009 disaster losses that was allowed on the 2010 Form 4684 does not apply for 2011.

Real estate donated for conservation purposes (pages 326, 333). The favorable 2011 deduction ceilings for qualified conservation contributions ( $50 \%$ of adjusted gross income (AGI), $100 \%$ for qualified farmers and ranchers) have not been extended to 2012. If an extension is not enacted, the 2012 ceilings will be the regular $30 \%$ or $20 \%$ of AGI limit for capital gain property.
Home mortgage debts exceeding the $\$ 1$ million or $\mathbf{\$ 1 0 0 , 0 0 0}$ limits (pages 338-339). IRS Chief Counsel announced that if mortgage debt exceeds the $\$ 1$ million home acquisition debt limit or the $\$ 100,000$ home equity debt limit, and a portion of the funds are used for business or investment purposes, any reasonable allocation method may be used to determine the amount of deductible residential interest and the deductible business or investment interest. Taxpayers may use the allocation method provided in IRS Publication 936, or if either the "simplified" or "exact" method allowed by IRS regulations is used to determine the amount of deductible residential interest, the Publication 936 allocation may be used to allocate the excess debt to deductible business or investment interest (Chief Counsel Advice 201201017, 11/1/11).

Mortgage interest deduction for home that never gets built (page 339). The Tax Court held that for purposes of the rule allowing interest to be deducted within 24 months after home construction begins, a home was "under construction" while the taxpayer was awaiting approval of a construction permit from state environmental authorities. During this pre-approval period, which lasted just under 24 months, the taxpayer demolished the old house and cleared the site, surveyed the property and submitted construction plans and drilling samples to government officials. The Court held that this preparatory work was a necessary part of the planned construction. Although the home was never built because of a downturn in the real estate market, this did not disqualify a deduction for the interest paid within the 24 -month period that the taxpayer was planning for construction (Rose, TC Summary Opinion 2011-117).

Mortgage insurance premiums (page 341). The itemized deduction for mortgage insurance premiums expired at the end of 2011 and has not yet been extended to 2012 .

State and local general sales tax deduction (page 352). The election to deduct state and local general sales taxes in lieu of state and local income taxes as an itemized deduction on Schedule A expired at the end of 2011. An extension to 2012 is expected as part of an "extenders" package from Congress.
Special foods for celiac disease and other conditions (page 359). The IRS informally indicated in 2011 that it would allow as a medical expense deduction the excess cost of special foods over the cost of regular foods where there is a medical purpose for the diet, such as a glutenfree diet for those suffering from celiac disease. The IRS has revised its language in Publication 502 to allow the excess cost deduction where a physician substantiates that the special food alleviates or treats an illness.
Sex reassignment surgery (page 362). The IRS has agreed to follow the Tax Court decision that allowed a medical expenses deduction for hormone therapy and sex reassignment surgery for a person suffering from gender identification disorder (Acquiescence AOD 2011-03, 2011-47 IRB).

Federal disaster losses subject to $\mathbf{1 0 \%}$ of AGI casualty loss floor (pages 387, 389). On Form 4684 for 2011, the 10\% AGI floor for personal-use casualty losses applies to all federal disaster losses. The
exception for 2008/2009 disaster losses that was allowed on the 2010 Form 4684 does not apply for 2011.

Expanded eligibility for Ponzi scheme theft loss safe harbor (page 385). The IRS has expanded eligibility for the safe harbor theft loss deduction that it created in the wake of the Madoff scandal. The intent of the new rules is to avoid denial of the safe harbor when the "lead figure" in the fraudulent arrangement dies before being charged with the crime of theft. Details are on page 4.

Meal allowance deduction for transportation industry workers (page 419). The special rate that transportation industry workers may use for unreimbursed meals and incidentals expenses (M\&IE rate) did not change for travel after September 30, 2011. It remains $\$ 59$ per day for CONUS (within continental U.S.) locations and $\$ 65$ per day for OCONUS locations.

Business conventions in Panama (page 427). Panama is considered to be within the North American area for convention deduction purposes, effective for conventions that began after April 18, 2011.
High-low per diem reimbursement rates (pages 436-437). The IRS decided not to discontinue the high-low reimbursement method in response to pressure from business groups. For employee business travel within the continental United States (CONUS) from October 1, 2011 through September 30, 2012, the "high-cost" area rate is $\$ 242$ per day, and for all other areas in CONUS the rate is $\$ 163$ per day. For employer deduction purposes, $\$ 65$ of the $\$ 242$ rate and $\$ 52$ of the $\$ 163$ rate is allocable to meals. The list of qualifying high-cost areas and applicable dates is in IRS Publication 1542 and in Notice 2011-81.

AMT exemptions and credits offset for 2012 (pages 460-461, 465). As discussed on page 3 , the alternative minimum tax (AMT) exemptions for 2012 are scheduled for reduction but it is expected that Congress will enact a legislative "patch" that will provide an exemption increase over 2011 levels. It is also expected that legislation will extend to 2012 the rule allowing all nonrefundable personal credits to offset AMT as well as regular tax.

Preparers subject to EIC due diligence requirements (pages 481-482). Starting with 2011 returns, paid preparers who file returns claiming the earned income credit (EIC) must submit a completed Form 8867 with the return to avoid a $\$ 500$ penalty under more stringent due diligence rules imposed by final IRS regulations (Reg. 1.6695-2).

Adoption credit not refundable for 2012 (page 483). For 2012, the maximum adoption credit falls to $\$ 12,650$ and it is no longer a refundable credit.

Documentation required for adoption credit (pages 483-484). Because of the documentation that must be attached to Form 8839, you may not e-file your return if you claim the adoption credit. You must mail a paper return to the IRS with Form 8839 and the required documentation. For example, for a finalized domestic adoption, or a foreign adoption finalized in the U.S., a copy of the adoption order or decree must be attached to Form 8839. For a foreign adoption finalized abroad that is governed by the Hague Convention, attach a copy of either the Hague Adoption Certificate (IHAC), an IH-3 visa, or the foreign adoption decree translated into English. If the adoption was finalized in a country that is not a party to the Hague Convention, a copy of the translated adoption decree or an IR-2 or IR-3 visa must be attached. If a credit is claimed for a U.S. adoption that was not final by the end of the year, several types of documentation are acceptable, such as a copy of a court order placing the child with you for legal adoption, or a home study completed by an authorized placement agency or placement agreement from the agency. For the adoption of
a U.S. child with "special needs," as determined by the state in which the adoption occurs, attach a copy of the state determination. See the Form 8839 instructions for further documentation details.

Saver's credit for 2012 (page 485). The income limits for the 2012 saver's credit are on page 13.
Health coverage credit (page 486). The credit is $80 \%$ for qualified premiums paid for January and February 2011. The monthly credit was scheduled to drop to $65 \%$ after February but legislation enacted in October retroactively increased the credit percentage for MarchDecember 2011 to $72.5 \%$. Taxpayers who received $65 \%$ advance monthly payments in any month from March through December are eligible for an additional $7.5 \%$ retroactive credit; see the Form 8885 instructions.

District of Columbia first-time homebuyer credit (page 486). The first-time D.C. homebuyer credit expired at the end of 2011. It is unclear if the credit will be extended to 2012 purchases.
Credit for home energy improvements has expired (page 487). The credit for nonbusiness energy property such as insulation, storm windows, and furnaces expired at the end of 2011. Qualified property purchased towards the end of 2011 had to be installed (placed in service) by the end of the year to get the 2011 credit; see the Form 5695 instructions. It is unlikely that new legislation will extend the credit to 2012.

Credits for plug-in electric vehicles and plug-in conversions have expired (pages 487-488). No credit is allowed for two- or three-wheel rechargeable vehicles or four-wheel low-speed rechargeable vehicles acquired after 2011; for 2011 and earlier years, Form 8834 is used to claim the credit. There also is no credit for plug-in electric vehicle conversions (Form 8910) made after 2011. There is no indication that Congress is inclined to extend these credits to 2012.

Home office within principal residence (page 523). An IRS example in Publication 523 for 2011 allows the home sale exclusion for the part of the home used during 2010 as an office, except for the gain equal to depreciation. This result assumes that the home office is not "nonqualified use."

Check with mutual fund company about basis method for post2011 acquisitions (pages 563-566). Your mutual fund company must report to the IRS as well as to you the cost basis of any shares you acquire after 2011 when you sell the shares. You remain responsible for keeping records of your basis for shares you acquired before 2012; the fund may provide that information to you (using the average cost method) but it probably will not be forwarded to the IRS. Because the choice of a basis method (average cost method, specific identification, first-in, first-out) may substantially affect the gain or loss on a sale of your shares, you should contact your mutual fund company for its guidelines on choosing your preferred basis method and for using different methods for different sales. If you try to sell shares acquired after 2011 before selecting a preferred basis method, the sale will be delayed until a method has been chosen.

Double-category averaging for mutual fund sales (page 567). The double-category averaging method is no longer allowed. If the doublecategory method was used for shares acquired before April 1, 2011, all shares in the account on April 1, 2011 must be averaged together to figure the average basis of shares sold on or after that date, regardless of the holding period.
Tuition and fees deduction (page 578). The deduction for tuition and fees has not yet been extended to 2012, but an extension is expected.

Medicare Part B premiums (page 593). The Part B premium rules and amounts for 2012 are on page 7 of this Supplement.

New Form 8938 for reporting foreign assets (pages 611, 743). Form 8938 (Statement of Specified Foreign Financial Assets) must be filed with the 2011 Form 1040 if you owned specified foreign financial assets in 2011 exceeding the applicable threshold, which depends on whether you live in the U.S. or abroad and whether you are married. Substantial penalties may apply if a required Form 8938 is not filed by the filing due date (including extensions) or tax is underpaid because income related to an undisclosed specified foreign financial asset is not reported on your return. See page 5 for further details on the reporting thresholds and penalty rules.
Filing Form 8938 does not replace the requirement to file a Form TD F 90-22.1 (Report of Foreign Bank and Financial Accounts (FBAR) with the Treasury by June 30 if the TD F 90-22.1 is otherwise required.
Social Security and Medicare taxes for household employees (pages 621-622). On the 2011 Form 1040, household employee taxes from Schedule H are reported on Line 59a, which is designated specifically for such taxes; the taxes are no longer reported on the line for "Other taxes" (Line 60 for 2011).

For 2012, Social Security and Medicare taxes must be paid for a household employee with annual wages of $\$ 1,800$ or more. The employee's Social Security rate is $4.2 \%$ of wages through February and this rate will probably be extended for all of 2012; see page 3 of this Supplement. The rate for the employer share of Social Security is $6.2 \%$. Social Security applies to 2012 wages of up to $\$ 110,100$. The Medicare tax rate for employees and employers is $1.45 \%$ on all wages with no limit.
Federal Unemployment tax (FUTA) for household employees (page 624). The FUTA rate for the last six months of 2011 was $6 \%$, down from $6.2 \%$ for the first half of the year. The rate will stay at $6 \%$ for all of 2012.

Reporting income shown on Form 1099-K (pages 640, 642). Although the IRS added Lines 1 a and 1 b to Schedule C to allow for the separate reporting of merchant card and third-party network payments shown on Form 1099-K (if you had over 200 transactions totaling over $\$ 20,000)$, the IRS decided not to require the separate entry for the Form 1099-K amounts on Line 1a. The Schedule C instructions say you should enter zero on Line 1a and include any amounts from Form 1099-K on Line 1 b along with all other gross receipts.

Domestic production activities deduction (page 659). In Section 40.25, after the heading "Limitations," the deduction percentage should be $9 \%$ instead of $6 \%$.

New Work Opportunity credits for hiring veterans (page 660). The Work Opportunity credit expired for employees hired after 2011 other than veterans. New credits apply to the first-year wages of veterans who begin work after November 21, 2011 and before 2013.

The Returning Heroes credits are for hiring unemployed veterans. For hiring veterans who in the prior year were unemployed for at least four weeks but less than six months, the credit is $40 \%$ of the first $\$ 6,000$ of first-year wages, for a maximum credit of $\$ 2,400$. The maximum credit increases to $\$ 5,600$ ( $40 \%$ of the first $\$ 14,000$ of wages) if the period of unemployment was six months or more.

The Wounded Warriors credits apply for hiring veterans with serviceconnected disabilities. A credit of up to $\$ 4,800$ of first-year wages ( $40 \%$ of the first $\$ 12,000$ of wages) applies if a veteran with a serviceconnected disability is hired within a year of leaving active duty. The maximum credit doubles to $\$ 9,600$ ( $40 \%$ of the first $\$ 24,000$ of wages) if a veteran with a service-connected disability was unemployed for at least six months in the year preceding the hire.

Expired business credits may be extended (pages 659-660). Several business credits expired at the end of 2011 but may be extended to 2012 by Congress: the Work Opportunity credit (expiration does not apply for hires of qualified veterans as discussed above), the research credit, the Indian employment credit, the new markets credit, and the wage differential credit for activated military personnel.
First-year expensing (pages 674-676, 685-686). First-year expensing limits will decline for 2012 unless Congress intervenes. The $\$ 500,000$ expensing limit and the phaseout threshold of $\$ 2$ million expired at the end of 2011. There are indications that Congress may extend these amounts to 2012, but it has not yet done so. Unless Congress acts, the expensing limit for 2012 will be $\$ 139,000$ and that limit will begin to phase out if total qualifying purchases exceed $\$ 560,000$. In addition, without new legislation, qualified leasehold, restaurant, and retail improvements, which qualified for 2011 expensing up to a $\$ 250,000$ limit, will not qualify for any 2012 expensing, and higher expensing limits will no longer apply for empowerment zone property.
15-year depreciation for qualified leasehold, restaurant, and retail improvements (pages 675, 685). Qualified leasehold, restaurant, and retail improvements placed in service before January 1, 2012 were depreciable (using the straight-line method) over a 15 -year recovery period. It is not clear if Congress will extend the 15 -year period to 2012 improvements.

On page 685, in Section 42.15, the first sentence of the second paragraph should state that the 15-year depreciation period applies to improvements placed in service before 2012, rather than 2011.
Bonus depreciation (pages 688-689). A full first-year deduction was allowed by $100 \%$ bonus depreciation for qualifying new property placed in service after September 8, 2010 and before January 1, 2012. The bonus rate is scheduled to fall to $50 \%$ for property placed in service in 2012, but Congress may extend $100 \%$ bonus depreciation beyond 2011.

Safe-harbor method if $\mathbf{1 0 0 \%}$ bonus depreciation is used for a car, truck, or light van (pages 694-697). If the $100 \%$ bonus allowance is used to figure the first-year depreciation deduction for a car, truck, or van subject to the annual depreciation limits, deductions for years after the first year could be denied until the end of the six-year recovery period unless an IRS safe harbor is used for years two through six. The safe-harbor rule is discussed on page 4.

Self-employment tax and above-the-line deduction (pages 712-713). The $2 \%$ reduction that applies to the Social Security part of the 2011 self-employment tax ( $10.4 \%$ for Social Security instead of $12.4 \%$ as in 2010) is likely to be extended to all of 2012. Congress extended the $2 \%$ reduction to the first two months of 2012 (through February 29) and is expected to extend it to the rest of the year; see page 3 of this Supplement. For 2012, Social Security tax applies to net earnings of up to $\$ 110,100$.

The above-the-line deduction figured on Schedule SE (and claimed on Line 27, Form 1040) for part of the 2011 self-employment tax is the same as the amount that would have been deductible for the same net earnings under the pre-2011 rules when the Social Security tax rate was $2 \%$ higher.

IRS interest rates (pages 727, 735). For the first quarter of 2012, the IRS interest rate on refunds and underpayments remains $3 \%$. If you are subject to a penalty for underpaying estimated tax for the first 15 days of April 2012, the 3\% rate applicable in March applies for figuring the penalty even if the IRS changes the interest rate for the April 1-June 30 quarter.

Low-income certification for offer in compromise (page 745). The low-income certification for avoiding the application fee and upfront payments is made on Section 4 of Form 656.

## ESTIMATING YOUR 2012 TAXES

An inflation adjustment provides a slight boost to many tax deductions, credits, and exclusion amounts for 2012. For some items such as firstyear expensing, the adoption credit, and tax-free commuting benefits, the 2012 limits are lower, as higher limits allowed for 2011 under temporary laws expired at the end of the year. Also, as noted on page 3 , Congress is about to extend the $2 \%$ payroll tax cut for employees (Social Security withholding), but legislation is still needed to avoid a drop in AMT exemptions, to restore the pre-2012 limits for first-year expensing and bonus depreciation, and to extend to 2012 other tax breaks that expired at the end of 2011. Check back at jklasser.com for legislative developments.

You can use the following amounts to make a preliminary estimate of your 2012 regular income tax liability. This can help you to decide if you need to increase your federal income tax withholdings or to start or alter an existing schedule of estimated tax installments.

The deductible standard mileage rates for 2012 are on page 4.
Also note the 2012 retirement plan limits for IRAs on page 5 and employer retirement plans on page 7.

Tax rate brackets. There is a slight increase to the income cut-offs between the tax brackets. For example, for a married couple filing jointly, the 2012 threshold separating the $15 \%$ and $25 \%$ brackets is taxable income of $\$ 70,700$, up from $\$ 69,000$ for 2011. For a single person, the threshold separating the $15 \%$ and $25 \%$ brackets for 2012 is taxable income of $\$ 35,350$, up from $\$ 34,500$. For 2012, taxpayers who are within the $10 \%$ or $15 \%$ bracket may continue to apply a zero percent tax rate to their qualified dividends and most long-term capital gains.

The full tax rate schedule for 2012 is on the next page.
Personal exemptions. A \$3,800 deduction is allowed for each personal exemption for 2012 (up from $\$ 3,700$ for 2011). There is no phaseout; allowable exemptions are allowed in full for 2012 (as in 2011 and 2010) regardless of income.
Standard deduction. For single persons and married persons filing separately, the 2012 basic standard deduction is $\$ 5,950$ ( $\$ 150$ more than for 2011). For married persons filing jointly and qualifying widow(er)s, the standard deduction is $\$ 11,900$ (a $\$ 300$ increase). For heads of households, the standard deduction increases to $\$ 8,700$ (a \$200 increase).

The additional standard deduction amount for those who are age 65 or older or blind is not changing: $\$ 1,450$ for single taxpayers and heads of households and $\$ 1,150$ for married persons, whether filing jointly or separately.

For a person who can be claimed as another taxpayer's dependent for 2012, the basic standard deduction remains the greater of (1) \$950 or (2) the dependent's earned income plus $\$ 300$ (but no more in total than the basic standard deduction for the dependent's filing status).

Itemized deductions. For 2012 (as in 2011 and 2010), there is no income-based limitation on overall itemized deductions.

Student loan interest deduction. The maximum above-the-line deduction for student loan interest is set by statute at $\$ 2,500$. The $\$ 2,500$ limit is phased out for 2012 if MAGI is between $\$ 60,000$ and $\$ 75,000$ for single filers (no change from 2011) or between $\$ 125,000$ and $\$ 155,000$ (a $\$ 5,000$ increase) for married couples filing jointly.
American Opportunity credit and Lifetime Learning credit. The phaseout range for the American Opportunity credit is not changing. The credit of up to $\$ 2,500$ per eligible student phases out over a modified adjusted gross income (MAGI) range of $\$ 80,000$ to $\$ 90,000$ for single filers, heads of households, and qualifying widow(er)s, and \$160,000 to $\$ 180,000$ for joint filers. The Lifetime Learning credit (limited to
$\$ 2,000$ for all eligible students), phases out for 2012 over a MAGI range of $\$ 52,000$ to $\$ 62,000$ for single filers, heads of households, and qualifying widows and widowers (up from $\$ 51,000-\$ 61,000$ ), and $\$ 104,000$ to $\$ 124,000$ for joint filers (was $\$ 102,000-\$ 122,000$ ).

Refundable child tax credit. The child tax credit remains unchanged at $\$ 1,000$ per eligible child and the credit is refundable (payable even if it exceeds tax liability) to the extent of $15 \%$ of earned income exceeding $\$ 3,000$ (no change).

Saver's credit. The income brackets for the $50 \%, 20 \%$, and $10 \%$ retirement savings contribution credits are increasing slightly for 2012. The applicable credit percentage applies to the first $\$ 2,000$ of eligible contributions made for 2012.

For married persons filing jointly, the 50\% credit applies if 2012 AGI does not exceed $\$ 34,500$, the $20 \%$ credit rate applies if AGI does not exceed $\$ 37,500$, and the $10 \%$ credit applies if AGI does not exceed \$57,500.

For a head of household, the $50 \%$ credit applies if 2012 AGI does not exceed $\$ 25,875$, the $20 \%$ credit rate applies if AGI does not exceed $\$ 28,125$, and the $10 \%$ credit applies if AGI does not exceed $\$ 43,125$.

For single individuals, married persons filing separately, and qualifying widows or widowers, the $50 \%$ credit applies if 2012 AGI does not exceed $\$ 17,250$, the $20 \%$ credit rate applies if AGI does not exceed $\$ 18,750$ and the $10 \%$ credit applies if AGI does not exceed $\$ 28,750$.
Adoption credit and employer adoption assistance. The maximum adoption credit for 2012 is $\$ 12,650$, down from $\$ 13,360$. The full limit can be claimed for adopting a child with special needs, without regard to the actual adoption costs. The MAGI phaseout range for the 2012 credit is $\$ 189,710-\$ 229,710$ (up from $\$ 185,210-\$ 225,210$ ). The same limit and phaseout rule apply to the employee exclusion for benefits under an employer's adoption assistance program.

Exclusion for interest on savings bonds used for tuition. The exclusion for interest on Series EE and I bonds redeemed to pay higher education expenses will be phased out for married couples filing jointly in 2012 with modified adjusted gross income (MAGI) from \$109,250 to $\$ 139,250$ (up from $\$ 106,650$ to $\$ 136,650$ for 2011). For single taxpayers and heads of households, the phaseout range is $\$ 72,850$ to $\$ 87,850$ (up from $\$ 71,100$ to $\$ 86,100$ for 2011). Married persons filing separately are not eligible for the exclusion.
Transportation fringe benefits. The monthly tax-free limit exclusion for parking benefits in 2012 is $\$ 240$ per month (up from $\$ 230$ ). For transit passes and commuter van pooling, the monthly limit drops to $\$ 125$ per month (from \$230).
Premiums for long-term-care policies. The maximum amount of long-term-care insurance premiums that can be included in the itemized deduction for medical expenses depends on the policyholder's age at the end of the year. For 2012, the limit on deductible long-term-care premiums is $\$ 350$ for taxpayers age 40 or younger, $\$ 660$ for those over age 40 but not over $50, \$ 1,310$ for those over age 50 but not over 60 , $\$ 3,500$ for those over age 60 but not over 70 , and $\$ 4,370$ for those over age 70 (respective 2011 amounts were $\$ 340, \$ 640, \$ 1,270, \$ 3,390$, and $\$ 4,240$ ).
Per diem payments from long-term-care policies. Payments received from a qualified long-term-care insurance contract on a per diem or other periodic basis are tax free for 2012 up to $\$ 310$ per day without regard to actual expenses incurred.
Gift tax annual exclusion and lifetime exemption. The annual gift tax exclusion for 2012 remains $\$ 13,000$ per recipient. For gifts to
a noncitizen spouse, the annual exclusion for 2012 is $\$ 139,000$. The lifetime exemption from gift tax is increased to $\$ 5,120,000$ for 2012, up from $\$ 5$ million.

Foreign earned income and housing exclusions. The maximum foreign earned income exclusion for 2012 is $\$ 95,100$ (up from $\$ 92,900$ ). The base foreign housing amount is $\$ 15,216(16 \% \times \$ 95,100)$ for the full year, or $\$ 41.57$ per day if the foreign residence or physical presence test is met for only part of the year. The general limit on housing expenses is $\$ 28,530(30 \% \times \$ 95,100)$, so the maximum housing exclusion will generally be $\$ 13,314(\$ 28,530-\$ 15,216)$ if you qualify for a full-year exclusion. However, for certain high-cost areas, the IRS will allow a housing expense limit greater than $\$ 28,530$, raising the foreign housing exclusion amounts for those localities.

Earned income credit. For 2012, the maximum credit is $\$ 3,169$ for one child, $\$ 5,236$ for two children, $\$ 5,891$ for three or more children, and $\$ 475$ if there are no children.

For taxpayers with children, the 2012 credit will begin to phase out if either earned income or AGI is at least $\$ 17,090$ if single, head of household, or qualifying widow(er), or at least $\$ 22,300$ if married filing jointly. For those with no children the phaseout begins at $\$ 7,700$, or $\$ 12,980$ if married filing jointly. For taxpayers with one child, the credit is completely phased out if either earned income or AGI is $\$ 36,920$ or more, $\$ 42,130$ if married filing jointly. For two children the credit is completely phased out if either earned income or AGI is at least $\$ 41,952, \$ 47,162$ if married filing jointly. For taxpayers with three or more children, the credit is completely phased out if either earned income or AGI is at least $\$ 45,060, \$ 50,270$ if married filing jointly. For taxpayers with no children, the phaseout is complete at income of $\$ 13,980, \$ 19,190$ if married filing jointly.

## 2012 Tax Rate Schedules

Caution. Do not use these Tax Rate Schedules to figure your 2011 taxes. Use only to figure your 2012 estimated taxes.

| Schedule X-Use if your 2012 filing status is Single |  |  |  | Schedule Z—Use if your 2012 filing status is Head of household |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| If line 5 is: |  | The tax is: |  | If line 5 is: |  | The tax is: |  |
| Over- | But not over- |  | of the <br> amount <br> over- | Over- | But not over- |  | of the amount over- |
| \$0 | \$8,700 | ----------- 10\% | \$0 | \$0 | \$12,400 | ---------- 10\% | \$0 |
| 8,700 | 35,350 | \$870.00 + 15\% | 8,700 | 12,400 | 47,350 | \$1,240.00 + 15\% | 12,400 |
| 35,350 | 85,650 | 4,867.50 + 25\% | 35,350 | 47,350 | 122,300 | 6,482.50 + 25\% | 47,350 |
| 85,650 | 178,650 | 17,442.50 + 28\% | 85,650 | 122,300 | 198,050 | 25,220.00 + 28\% | 122,300 |
| 178,650 | 388,350 | 43,482.50 + 33\% | 178,650 | 198,050 | 388,350 | 46,430.00 + 33\% | 198,050 |
| 388,350 |  | 112,683.50 + $35 \%$ | 388,350 | 388,350 |  | 109,229.00 + 35\% | 388,350 |
| Schedule Y-1 - Use if your 2012 filing status is Married filing jointly or Qualifying widow(er) |  |  |  | Schedule Y-2—Use if your 2012 filing status is Married filing separately |  |  |  |
| If line 5 is: |  | The tax is: |  | If line 5 is: |  | The tax is: |  |
| Over- | But not over- |  | of the amount over- | Over- | But not over- |  | of the amount over- |
| \$0 | \$17,400 | ----------- 10\% | \$0 | \$0 | \$8,700 | ---------- 10\% | \$0 |
| 17,400 | 70,700 | \$1,740.00 + 15\% | 17,400 | 8,700 | 35,350 | \$870.00 + 15\% | 8,700 |
| 70,700 | 142,700 | 9,735.00 + 25\% | 70,700 | 35,350 | 71,350 | 4,867.50 + 25\% | 35,350 |
| 142,700 | 217,450 | 27,735.00 + 28\% | 142,700 | 71,350 | 108,725 | 13,867.50 + 28\% | 71,350 |
| 217,450 | 388,350 | 48,665.00 + 33\% | 217,450 | 108,725 | 194,175 | 24,332.50 + 33\% | 108,725 |
| 388,350 | ---- | 105,062.00 + 35\% | 388,350 | 194,175 | ---------- | 52,531.00 + 35\% | 194,175 |

See the instructions for line 44 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 43, 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 $\$ 2,949$. This is the tax amount they should enter on Form 1040, line 44.

## Sample Table

| At <br> Least | But <br> Less <br> Than | Single | Married <br> filing <br> jointly <br> $\star$ | Married <br> filing <br> sepa- <br> rately | Head <br> of a <br> house- <br> hold |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :---: |
| Your tax is- |  |  |  |  |  |  |
| $\mathbf{2 5 , 2 0 0}$ | $\mathbf{2 5 , 2 5 0}$ | 3,359 | 2,934 | 3,359 | 3,176 |  |
| $\mathbf{2 5 , 2 5 0}$ | $\mathbf{2 5 , 3 0 0}$ | 3,366 | 2,941 | 3,366 | 3,184 |  |
| $\mathbf{2 5 , 3 0 0}$ | $\mathbf{2 5 , 3 5 0}$ | 3,374 | 2,949 | 3,374 | 3,191 |  |
| $\mathbf{2 5 , 3 5 0}$ | $\mathbf{2 5 , 4 0 0}$ | 3,381 | 2,956 | 3,381 | 3,199 |  |


| If line (taxab income | is- | And you are- |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| At least | But less than | Single | Married <br> filing <br> jointly <br> Your ta | Married tiling separately ax is - | Head of a household |
| 0 | 5 | 0 | 0 | 0 | 0 |
| 5 | 15 | 1 | 1 | 1 | 1 |
| 15 | 25 | 2 | 2 | 2 | 2 |
| 25 | 50 | 4 | 4 | 4 | 4 |
| 50 | 75 | 6 | 6 | 6 | 6 |
| 75 | 100 | 9 | 9 | 9 | 9 |
| 100 | 125 | 11 | 11 | 11 | 11 |
| 125 | 150 | 14 | 14 | 14 | 14 |
| 150 | 175 | 16 | 16 | 16 | 16 |
| 175 | 200 | 19 | 19 | 19 | 19 |
| 200 | 225 | 21 | 21 | 21 | 21 |
| 225 | 250 | 24 | 24 | 24 | 24 |
| 250 | 275 | 26 | 26 | 26 | 26 |
| 275 | 300 | 29 | 29 | 29 | 29 |
| 300 | 325 | 31 | 31 | 31 | 31 |
| 325 | 350 | 34 | 34 | 34 | 34 |
| 350 | 375 | 36 | 36 | 36 | 36 |
| 375 | 400 | 39 | 39 | 39 | 39 |
| 400 | 425 | 41 | 41 | 41 | 41 |
| 425 | 450 | 44 | 44 | 44 | 44 |
| 450 | 475 | 46 | 46 | 46 | 46 |
| 475 | 500 | 49 | 49 | 49 | 49 |
| 500 | 525 | 51 | 51 | 51 | 51 |
| 525 | 550 | 54 | 54 | 54 | 54 |
| 550 | 575 | 56 | 56 | 56 | 56 |
| 575 | 600 | 59 | 59 | 59 | 59 |
| 600 | 625 | 61 | 61 | 61 | 61 |
| 625 | 650 | 64 | 64 | 64 | 64 |
| 650 | 675 | 66 | 66 | 66 | 66 |
| 675 | 700 | 69 | 69 | 69 | 69 |
| 700 | 725 | 71 | 71 | 71 | 71 |
| 725 | 750 | 74 | 74 | 74 | 74 |
| 750 | 775 | 76 | 76 | 76 | 76 |
| 775 | 800 | 79 | 79 | 79 | 79 |
| 800 | 825 | 81 | 81 | 81 | 81 |
| 825 | 850 | 84 | 84 | 84 | 84 |
| 850 | 875 | 86 | 86 | 86 | 86 |
| 875 | 900 | 89 | 89 | 89 | 89 |
| 900 | 925 | 91 | 91 | 91 | 91 |
| 925 | 950 | 94 | 94 | 94 | 94 |
| 950 | 975 | 96 | 96 | 96 | 96 |
| 975 | 1,000 | 99 | 99 | 99 | 99 |
| 1,00 |  |  |  |  |  |
| 1,000 | 1,025 | 101 | 101 | 101 | 101 |
| 1,025 | 1,050 | 104 | 104 | 104 | 104 |
| 1,050 | 1,075 | 106 | 106 | 106 | 106 |
| 1,075 | 1,100 | 109 | 109 | 109 | 109 |
| 1,100 | 1,125 | 111 | 111 | 111 | 111 |
| 1,125 | 1,150 | 114 | 114 | 114 | 114 |
| 1,150 | 1,175 | 116 | 116 | 116 | 116 |
| 1,175 | 1,200 | 119 | 119 | 119 | 119 |
| 1,200 | 1,225 | 121 | 121 | 121 | 121 |
| 1,225 | 1,250 | 124 | 124 | 124 | 124 |
| 1,250 | 1,275 | 126 | 126 | 126 | 126 |
| 1,275 | 1,300 | 129 | 129 | 129 | 129 |


| If line (taxabl income | is - | And you are- |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| At least | But less than | Single | Married filing jointly Your ta | Married filing separately $x$ is- | Head of a household |
| 1,300 | 1,325 | 131 | 131 | 131 | 131 |
| 1,325 | 1,350 | 134 | 134 | 134 | 134 |
| 1,350 | 1,375 | 136 | 136 | 136 | 136 |
| 1,375 | 1,400 | 139 | 139 | 139 | 139 |
| 1,400 | 1,425 | 141 | 141 | 141 | 141 |
| 1,425 | 1,450 | 144 | 144 | 144 | 144 |
| 1,450 | 1,475 | 146 | 146 | 146 | 146 |
| 1,475 | 1,500 | 149 | 149 | 149 | 149 |
| 1,500 | 1,525 | 151 | 151 | 151 | 151 |
| 1,525 | 1,550 | 154 | 154 | 154 | 154 |
| 1,550 | 1,575 | 156 | 156 | 156 | 156 |
| 1,575 | 1,600 | 159 | 159 | 159 | 159 |
| 1,600 | 1,625 | 161 | 161 | 161 | 161 |
| 1,625 | 1,650 | 164 | 164 | 164 | 164 |
| 1,650 | 1,675 | 166 | 166 | 166 | 166 |
| 1,675 | 1,700 | 169 | 169 | 169 | 169 |
| 1,700 | 1,725 | 171 | 171 | 171 | 171 |
| 1,725 | 1,750 | 174 | 174 | 174 | 174 |
| 1,750 | 1,775 | 176 | 176 | 176 | 176 |
| 1,775 | 1,800 | 179 | 179 | 179 | 179 |
| 1,800 | 1,825 | 181 | 181 | 181 | 181 |
| 1,825 | 1,850 | 184 | 184 | 184 | 184 |
| 1,850 | 1,875 | 186 | 186 | 186 | 186 |
| 1,875 | 1,900 | 189 | 189 | 189 | 189 |
| 1,900 | 1,925 | 191 | 191 | 191 | 191 |
| 1,925 | 1,950 | 194 | 194 | 194 | 194 |
| 1,950 | 1,975 | 196 | 196 | 196 | 196 |
| 1,975 | 2,000 | 199 | 199 | 199 | 199 |
| 2,000 |  |  |  |  |  |
| 2,000 | 2,025 | 201 | 201 | 201 | 201 |
| 2,025 | 2,050 | 204 | 204 | 204 | 204 |
| 2,050 | 2,075 | 206 | 206 | 206 | 206 |
| 2,075 | 2,100 | 209 | 209 | 209 | 209 |
| 2,100 | 2,125 | 211 | 211 | 211 | 211 |
| 2,125 | 2,150 | 214 | 214 | 214 | 214 |
| 2,150 | 2,175 | 216 | 216 | 216 | 216 |
| 2,175 | 2,200 | 219 | 219 | 219 | 219 |
| 2,200 | 2,225 | 221 | 221 | 221 | 221 |
| 2,225 | 2,250 | 224 | 224 | 224 | 224 |
| 2,250 | 2,275 | 226 | 226 | 226 | 226 |
| 2,275 | 2,300 | 229 | 229 | 229 | 229 |
| 2,300 | 2,325 | 231 | 231 | 231 | 231 |
| 2,325 | 2,350 | 234 | 234 | 234 | 234 |
| 2,350 | 2,375 | 236 | 236 | 236 | 236 |
| 2,375 | 2,400 | 239 | 239 | 239 | 239 |
| 2,400 | 2,425 | 241 | 241 | 241 | 241 |
| 2,425 | 2,450 | 244 | 244 | 244 | 244 |
| 2,450 | 2,475 | 246 | 246 | 246 | 246 |
| 2,475 | 2,500 | 249 | 249 | 249 | 249 |
| 2,500 | 2,525 | 251 | 251 | 251 | 251 |
| 2,525 | 2,550 | 254 | 254 | 254 | 254 |
| 2,550 | 2,575 | 256 | 256 | 256 | 256 |
| 2,575 | 2,600 | 259 | 259 | 259 | 259 |
| 2,600 | 2,625 | 261 | 261 | 261 | 261 |
| 2,625 | 2,650 | 264 | 264 | 264 | 264 |
| 2,650 | 2,675 | 266 | 266 | 266 | 266 |
| 2,675 | 2,700 | 269 | 269 | 269 | 269 |


| If line (taxabl incom | is- | And you are - |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| At least | But less than | Single | Married filing jointly Your ta | Married tiling rately $x$ is | Head of a household |
| 2,700 | 2,725 | 271 | 271 | 271 | 271 |
| 2,725 | 2,750 | 274 | 274 | 274 | 274 |
| 2,750 | 2,775 | 276 | 276 | 276 | 276 |
| 2,775 | 2,800 | 279 | 279 | 279 | 279 |
| 2,800 | 2,825 | 281 | 281 | 281 | 281 |
| 2,825 | 2,850 | 284 | 284 | 284 | 284 |
| 2,850 | 2,875 | 286 | 286 | 286 | 286 |
| 2,875 | 2,900 | 289 | 289 | 289 | 289 |
| 2,900 | 2,925 | 291 | 291 | 291 | 291 |
| 2,925 | 2,950 | 294 | 294 | 294 | 294 |
| 2,950 | 2,975 | 296 | 296 | 296 | 296 |
| 2,975 | 3,000 | 299 | 299 | 299 | 299 |
| 3,000 |  |  |  |  |  |
| 3,000 | 3,050 | 303 | 303 | 303 | 303 |
| 3,050 | 3,100 | 308 | 308 | 308 | 308 |
| 3,100 | 3,150 | 313 | 313 | 313 | 313 |
| 3,150 | 3,200 | 318 | 318 | 318 | 318 |
| 3,200 | 3,250 | 323 | 323 | 323 | 323 |
| 3,250 | 3,300 | 328 | 328 | 328 | 328 |
| 3,300 | 3,350 | 333 | 333 | 333 | 333 |
| 3,350 | 3,400 | 338 | 338 | 338 | 338 |
| 3,400 | 3,450 | 343 | 343 | 343 | 343 |
| 3,450 | 3,500 | 348 | 348 | 348 | 348 |
| 3,500 | 3,550 | 353 | 353 | 353 | 353 |
| 3,550 | 3,600 | 358 | 358 | 358 | 358 |
| 3,600 | 3,650 | 363 | 363 | 363 | 363 |
| 3,650 | 3,700 | 368 | 368 | 368 | 368 |
| 3,700 | 3,750 | 373 | 373 | 373 | 373 |
| 3,750 | 3,800 | 378 | 378 | 378 | 378 |
| 3,800 | 3,850 | 383 | 383 | 383 | 383 |
| 3,850 | 3,900 | 388 | 388 | 388 | 388 |
| 3,900 | 3,950 | 393 | 393 | 393 | 393 |
| 3,950 | 4,000 | 398 | 398 | 398 | 398 |
| 4,000 |  |  |  |  |  |
| 4,000 | 4,050 | 403 | 403 | 403 | 403 |
| 4,050 | 4,100 | 408 | 408 | 408 | 408 |
| 4,100 | 4,150 | 413 | 413 | 413 | 413 |
| 4,150 | 4,200 | 418 | 418 | 418 | 418 |
| 4,200 | 4,250 | 423 | 423 | 423 | 423 |
| 4,250 | 4,300 | 428 | 428 | 428 | 428 |
| 4,300 | 4,350 | 433 | 433 | 433 | 433 |
| 4,350 | 4,400 | 438 | 438 | 438 | 438 |
| 4,400 | 4,450 | 443 | 443 | 443 | 443 |
| 4,450 | 4,500 | 448 | 448 | 448 | 448 |
| 4,500 | 4,550 | 453 | 453 | 453 | 453 |
| 4,550 | 4,600 | 458 | 458 | 458 | 458 |
| 4,600 | 4,650 | 463 | 463 | 463 | 463 |
| 4,650 | 4,700 | 468 | 468 | 468 | 468 |
| 4,700 | 4,750 | 473 | 473 | 473 | 473 |
| 4,750 | 4,800 | 478 | 478 | 478 | 478 |
| 4,800 | 4,850 | 483 | 483 | 483 | 483 |
| 4,850 | 4,900 | 488 | 488 | 488 | 488 |
| 4,900 | 4,950 | 493 | 493 | 493 | 493 |
| 4,950 | 5,000 | 498 | 498 | 498 | 498 |


| If line 43 (taxable income) is - |  | And you are- |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| At least | $\begin{aligned} & \text { But } \\ & \text { less } \\ & \text { than } \end{aligned}$ | Single | Married filing jointly <br> Your ta | Married filing separately ax is | $\begin{aligned} & \text { Head } \\ & \text { of a } \\ & \text { house- } \\ & \text { hold } \end{aligned}$ |
| 5,000 |  |  |  |  |  |
| $\begin{aligned} & \mathbf{5 , 0 0 0} \\ & 5,050 \\ & 5,100 \\ & 5,150 \end{aligned}$ | $\begin{aligned} & 5,050 \\ & 5,100 \\ & 5,150 \\ & 5,200 \end{aligned}$ | 503 508 513 518 | 503 508 513 518 | 503 508 513 518 | $\begin{aligned} & 503 \\ & 508 \\ & 513 \\ & 518 \end{aligned}$ |
| $\begin{aligned} & 5,200 \\ & 5,250 \\ & 5,300 \\ & 5,350 \end{aligned}$ | $\begin{aligned} & 5,250 \\ & 5,300 \\ & 5,350 \\ & 5,400 \end{aligned}$ | $\begin{aligned} & 523 \\ & 528 \\ & 533 \\ & 538 \end{aligned}$ | $\begin{aligned} & 523 \\ & 528 \\ & 533 \\ & 538 \end{aligned}$ | $\begin{aligned} & 523 \\ & 528 \\ & 533 \\ & 538 \end{aligned}$ | 523 528 533 538 |
| 5,400 5,450 5,500 5,550 | $\begin{aligned} & 5,450 \\ & 5,500 \\ & 5,550 \\ & 5,600 \end{aligned}$ | 543 548 553 558 | 543 548 553 558 | 543 548 553 558 | 543 548 553 558 |
| 5,600 5,650 5,700 5,750 | $\begin{aligned} & 5,650 \\ & 5,700 \\ & 5,750 \\ & 5,800 \end{aligned}$ | 563 568 573 578 | $\begin{aligned} & 563 \\ & 568 \\ & 573 \\ & 578 \end{aligned}$ | $\begin{aligned} & 563 \\ & 568 \\ & 573 \\ & 578 \end{aligned}$ | 563 568 573 578 |
| $\begin{aligned} & 5,800 \\ & 5,850 \\ & 5,900 \\ & 5,950 \end{aligned}$ | $\begin{aligned} & 5,850 \\ & 5,900 \\ & 5,950 \\ & 6,000 \end{aligned}$ | $\begin{aligned} & 583 \\ & 588 \\ & 593 \\ & 598 \end{aligned}$ | $\begin{aligned} & 583 \\ & 588 \\ & 593 \\ & 598 \end{aligned}$ | $\begin{aligned} & 583 \\ & 588 \\ & 593 \\ & 598 \end{aligned}$ | 583 588 593 598 |
| 6,000 |  |  |  |  |  |
| $\begin{aligned} & 6,000 \\ & 6,050 \\ & 6,100 \\ & 6,150 \end{aligned}$ | $\begin{aligned} & 6,050 \\ & 6,100 \\ & 6,150 \\ & 6,200 \end{aligned}$ | 603 608 613 618 | $\begin{aligned} & 603 \\ & 608 \\ & 613 \\ & 618 \end{aligned}$ | $\begin{aligned} & 603 \\ & 608 \\ & 613 \\ & 618 \end{aligned}$ | 603 608 613 618 |
| $\begin{aligned} & 6,200 \\ & 6,250 \\ & 6,300 \\ & 6,350 \end{aligned}$ | $\begin{aligned} & 6,250 \\ & 6,300 \\ & 6,350 \\ & 6,400 \end{aligned}$ | 623 628 633 638 | $\begin{aligned} & 623 \\ & 628 \\ & 633 \\ & 638 \end{aligned}$ | $\begin{aligned} & 623 \\ & 628 \\ & 633 \\ & 638 \end{aligned}$ | 623 628 633 638 |
| $\begin{aligned} & 6,400 \\ & 6,450 \\ & 6,500 \\ & 6,550 \end{aligned}$ | $\begin{aligned} & 6,450 \\ & 6,500 \\ & 6,550 \\ & 6,600 \end{aligned}$ | $\begin{aligned} & 643 \\ & 648 \\ & 653 \\ & 658 \end{aligned}$ | $\begin{aligned} & 643 \\ & 648 \\ & 653 \\ & 658 \end{aligned}$ | $\begin{aligned} & 643 \\ & 648 \\ & 653 \\ & 658 \end{aligned}$ | 643 648 653 658 |
| $\begin{aligned} & 6,600 \\ & 6,650 \\ & 6,700 \\ & 6,750 \end{aligned}$ | $\begin{aligned} & 6,650 \\ & 6,700 \\ & 6,750 \\ & 6,800 \end{aligned}$ | $\begin{aligned} & 663 \\ & 668 \\ & 673 \\ & 678 \end{aligned}$ | $\begin{aligned} & 663 \\ & 668 \\ & 673 \\ & 678 \end{aligned}$ | $\begin{aligned} & 663 \\ & 668 \\ & 673 \\ & 678 \end{aligned}$ | $\begin{aligned} & 663 \\ & 668 \\ & 673 \\ & 678 \end{aligned}$ |
| $\begin{aligned} & 6,800 \\ & 6,850 \\ & 6,900 \\ & 6,950 \end{aligned}$ | $\begin{aligned} & 6,850 \\ & 6,900 \\ & 6,950 \\ & 7,000 \end{aligned}$ | $\begin{aligned} & 683 \\ & 688 \\ & 693 \\ & 698 \end{aligned}$ | $\begin{aligned} & 683 \\ & 688 \\ & 693 \\ & 698 \end{aligned}$ | $\begin{aligned} & 683 \\ & 688 \\ & 693 \\ & 698 \end{aligned}$ | 683 688 693 698 |
| 7,000 |  |  |  |  |  |
| 7,000 | 7,050 | 703 | 703 | 703 | 703 |
| 7,050 | 7,100 | 708 | 708 | 708 | 708 |
| 7,100 | 7,150 | 713 | 713 | 713 | 713 |
| 7,150 | 7,200 | 718 | 718 | 718 | 718 |
| 7,200 | 7,250 | 723 | 723 | 723 | 723 |
| 7,250 | 7,300 | 728 | 728 | 728 | 728 |
| 7,300 | 7,350 | 733 | 733 | 733 | 733 |
| 7,350 | 7,400 | 738 | 738 | 738 | 738 |
| 7,400 | 7,450 | 743 | 743 | 743 | 743 |
| 7,450 | 7,500 | 748 | 748 | 748 | 748 |
| 7,500 | 7,550 | 753 | 753 | 753 | 753 |
| 7,550 | 7,600 | 758 | 758 | 758 | 758 |
| 7,600 | 7,650 | 763 | 763 | 763 | 763 |
| 7,650 | 7,700 | 768 | 768 | 768 | 768 |
| 7,700 | 7,750 | 773 | 773 | 773 | 773 |
| 7,750 | 7,800 | 778 | 778 | 778 | 778 |
| 7,800 | 7,850 | 783 | 783 | 783 | 783 |
| 7,850 | 7,900 | 788 | 788 | 788 | 788 |
| 7,900 7,950 | 7,950 | 793 | 793 | 793 | 793 |


| If line 4 (taxable income | $\begin{aligned} & 3 \\ & \text { is - } \end{aligned}$ | And you are- |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| At least | But less than | Single | Married filing jointly Your ta | Married filing separately $x$ is- | Head of a household |
| 8,000 |  |  |  |  |  |
| 8,000 | 8,050 | 803 | 803 | 803 | 803 |
| 8,050 | 8,100 | 808 | 808 | 808 | 808 |
| 8,100 | 8,150 | 813 | 813 | 813 | 813 |
| 8,150 | 8,200 | 818 | 818 | 818 | 818 |
| 8,200 | 8,250 | 823 | 823 | 823 | 823 |
| 8,250 | 8,300 | 828 | 828 | 828 | 828 |
| 8,300 | 8,350 | 833 | 833 | 833 | 833 |
| 8,350 | 8,400 | 838 | 838 | 838 | 838 |
| 8,400 | 8,450 | 843 | 843 | 843 | 843 |
| 8,450 | 8,500 | 848 | 848 | 848 | 848 |
| 8,500 | 8,550 | 854 | 853 | 854 | 853 |
| 8,550 | 8,600 | 861 | 858 | 861 | 858 |
| 8,600 | 8,650 | 869 | 863 | 869 | 863 |
| 8,650 | 8,700 | 876 | 868 | 876 | 868 |
| 8,700 | 8,750 | 884 | 873 | 884 | 873 |
| 8,750 | 8,800 | 891 | 878 | 891 | 878 |
| 8,800 | 8,850 | 899 | 883 | 899 | 883 |
| 8,850 | 8,900 | 906 | 888 | 906 | 888 |
| 8,900 | 8,950 | 914 | 893 | 914 | 893 |
| 8,950 | 9,000 | 921 | 898 | 921 | 898 |
| 9,000 |  |  |  |  |  |
| 9,000 | 9,050 | 929 | 903 | 929 | 903 |
| 9,050 | 9,100 | 936 | 908 | 936 | 908 |
| 9,100 | 9,150 | 944 | 913 | 944 | 913 |
| 9,150 | 9,200 | 951 | 918 | 951 | 918 |
| 9,200 | 9,250 | 959 | 923 | 959 | 923 |
| 9,250 | 9,300 | 966 | 928 | 966 | 928 |
| 9,300 | 9,350 | 974 | 933 | 974 | 933 |
| 9,350 | 9,400 | 981 | 938 | 981 | 938 |
| 9,400 | 9,450 | 989 | 943 | 989 | 943 |
| 9,450 | 9,500 | 996 | 948 | 996 | 948 |
| 9,500 | 9,550 | 1,004 | 953 | 1,004 | 953 |
| 9,550 | 9,600 | 1,011 | 958 | 1,011 | 958 |
| 9,600 | 9,650 | 1,019 | 963 | 1,019 | 963 |
| 9,650 | 9,700 | 1,026 | 968 | 1,026 | 968 |
| 9,700 | 9,750 | 1,034 | 973 | 1,034 | 973 |
| 9,750 | 9,800 | 1,041 | 978 | 1,041 | 978 |
| 9,800 | 9,850 | 1,049 | 983 | 1,049 | 983 |
| 9,850 | 9,900 | 1,056 | 988 | 1,056 | 988 |
| 9,900 | 9,950 | 1,064 | 993 | 1,064 | 993 |
| 9,950 | 10,000 | 1,071 | 998 | 1,071 | 998 |
| 10,000 |  |  |  |  |  |
| 10,000 | 10,050 | 1,079 | 1,003 | 1,079 | 1,003 |
| 10,050 | 10,100 | 1,086 | 1,008 | 1,086 | 1,008 |
| 10,100 | 10,150 | 1,094 | 1,013 | 1,094 | 1,013 |
| 10,150 | 10,200 | 1,101 | 1,018 | 1,101 | 1,018 |
| 10,200 | 10,250 | 1,109 | 1,023 | 1,109 | 1,023 |
| 10,250 | 10,300 | 1,116 | 1,028 | 1,116 | 1,028 |
| 10,300 | 10,350 | 1,124 | 1,033 | 1,124 | 1,033 |
| 10,350 | 10,400 | 1,131 | 1,038 | 1,131 | 1,038 |
| 10,400 | 10,450 | 1,139 | 1,043 | 1,139 | 1,043 |
| 10,450 | 10,500 | 1,146 | 1,048 | 1,146 | 1,048 |
| 10,500 | 10,550 | 1,154 | 1,053 | 1,154 | 1,053 |
| 10,550 | 10,600 | 1,161 | 1,058 | 1,161 | 1,058 |
| 10,600 | 10,650 | 1,169 | 1,063 | 1,169 | 1,063 |
| 10,650 | 10,700 | 1,176 | 1,068 | 1,176 | 1,068 |
| 10,700 | 10,750 | 1,184 | 1,073 | 1,184 | 1,073 |
| 10,750 | 10,800 | 1,191 | 1,078 | 1,191 | 1,078 |
| 10,800 | 10,850 | 1,199 | 1,083 | 1,199 | 1,083 |
| 10,850 | 10,900 | 1,206 | 1,088 | 1,206 | 1,088 |
| 10,900 | 10,950 | 1,214 | 1,093 | 1,214 | 1,093 |
| 10,950 | 11,000 | 1,221 | 1,098 | 1,221 | 1,098 |



2011 Tax Table-Continued

| If line 43 (taxable income) is - | And you are- |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| At But <br> leass <br> less <br> than <br>   | Single | Married filing jointly Your ta | Married <br> filing <br> sepa- <br> rately <br> $x$ is- | Head of a household |
| 14,000 |  |  |  |  |
| 14,000 14,050 | 1,679 | 1,403 | 1,679 | 1,496 |
| 14,050 14,100 | 1,686 | 1,408 | 1,686 | 1,504 |
| 14,100 14,150 | 1,694 | 1,413 | 1,694 | 1,511 |
| 14,150 14,200 | 1,701 | 1,418 | 1,701 | 1,519 |
| 14,200 14,250 | 1,709 | 1,423 | 1,709 | 1,526 |
| 14,250 14,300 | 1,716 | 1,428 | 1,716 | 1,534 |
| 14,300 14,350 | 1,724 | 1,433 | 1,724 | 1,541 |
| 14,350 14,400 | 1,731 | 1,438 | 1,731 | 1,549 |
| 14,400 14,450 | 1,739 | 1,443 | 1,739 | 1,556 |
| 14,450 14,500 | 1,746 | 1,448 | 1,746 | 1,564 |
| 14,500 14,550 | 1,754 | 1,453 | 1,754 | 1,571 |
| 14,550 14,600 | 1,761 | 1,458 | 1,761 | 1,579 |
| 14,600 14,650 | 1,769 | 1,463 | 1,769 | 1,586 |
| 14,650 14,700 | 1,776 | 1,468 | 1,776 | 1,594 |
| 14,700 14,750 | 1,784 | 1,473 | 1,784 | 1,601 |
| 14,750 14,800 | 1,791 | 1,478 | 1,791 | 1,609 |
| 14,800 14,850 | 1,799 | 1,483 | 1,799 | 1,616 |
| 14,850 14,900 | 1,806 | 1,488 | 1,806 | 1,624 |
| 14,900 14,950 | 1,814 | 1,493 | 1,814 | 1,631 |
| 14,950 15,000 | 1,821 | 1,498 | 1,821 | 1,639 |

## 15,000

| 15,000 | 15,050 | 1,829 | 1,503 | 1,829 | 1,646 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 15,050 | 15,100 | 1,836 | 1,508 | 1,836 | 1,654 |
| 15,100 | 15,150 | 1,844 | 1,513 | 1,844 | 1,661 |
| 15,150 | 15,200 | 1,851 | 1,518 | 1,851 | 1,669 |
| 15,200 | 15,250 | 1,859 | 1,523 | 1,859 | 1,676 |
| 15,250 | 15,300 | 1,866 | 1,528 | 1,866 | 1,684 |
| 15,300 | 15,350 | 1,874 | 1,533 | 1,874 | 1,691 |
| 15,350 | 15,400 | 1,881 | 1,538 | 1,881 | 1,699 |
| 15,400 | 15,450 | 1,889 | 1,543 | 1,889 | 1,706 |
| 15,450 | 15,500 | 1,896 | 1,548 | 1,896 | 1,714 |
| 15,500 | 15,550 | 1,904 | 1,553 | 1,904 | 1,721 |
| 15,550 | 15,600 | 1,911 | 1,558 | 1,911 | 1,729 |
| 15,600 | 15,650 | 1,919 | 1,563 | 1,919 | 1,736 |
| 15,650 | 15,700 | 1,926 | 1,568 | 1,926 | 1,744 |
| 15,700 | 15,750 | 1,934 | 1,573 | 1,934 | 1,751 |
| 15,750 | 15,800 | 1,941 | 1,578 | 1,941 | 1,759 |
| 15,800 | 15,850 | 1,949 | 1,583 | 1,949 | 1,766 |
| 15,850 | 15,900 | 1,956 | 1,588 | 1,956 | 1,774 |
| 15,900 | 15,950 | 1,964 | 1,593 | 1,964 | 1,781 |
| 15,950 | 16,000 | 1,971 | 1,598 | 1,971 | 1,789 |

## 16,000

| $\mathbf{1 6 , 0 0 0}$ | 16,050 | 1,979 | 1,603 | 1,979 | 1,796 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 16,050 | 16,100 | 1,986 | 1,608 | 1,986 | 1,804 |
| 16,100 | 16,150 | 1,994 | 1,613 | 1,994 | 1,811 |
| $\mathbf{1 6 , 1 5 0}$ | 16,200 | 2,001 | 1,618 | 2,001 | 1,819 |
| $\mathbf{1 6 , 2 0 0}$ | 16,250 | 2,009 | 1,623 | 2,009 | 1,826 |
| 16,250 | 16,300 | 2,016 | 1,628 | 2,016 | 1,834 |
| 16,300 | 16,350 | 2,024 | 1,633 | 2,024 | 1,841 |
| 16,350 | 16,400 | 2,031 | 1,638 | 2,031 | 1,849 |
| $\mathbf{1 6 , 4 0 0}$ | 16,450 | 2,039 | 1,643 | 2,039 | 1,856 |
| 16,450 | 16,500 | 2,046 | 1,648 | 2,046 | 1,864 |
| 16,500 | 16,550 | 2,054 | 1,653 | 2,054 | 1,871 |
| $\mathbf{1 6 , 5 5 0}$ | 16,600 | 2,061 | 1,658 | 2,061 | 1,879 |
| 16,600 | 16,650 | 2,069 | 1,663 | 2,069 | 1,886 |
| 16,650 | 16,700 | 2,076 | 1,668 | 2,076 | 1,894 |
| 16,700 | 16,750 | 2,084 | 1,673 | 2,084 | 1,901 |
| 16,750 | 16,800 | 2,091 | 1,678 | 2,091 | 1,909 |
| 16,800 | 16,850 | 2,099 | 1,683 | 2,099 | 1,916 |
| 16,850 | 16,900 | 2,106 | 1,688 | 2,106 | 1,924 |
| 16,900 | 16,950 | 2,114 | 1,693 | $2,, 14$ | 1,931 |
| $\mathbf{1 6 , 9 5 0}$ | 17,000 | 2,121 | 1,698 | 2,121 | 1,939 |


| If line 43 (taxable income) is - | And you are- |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|   <br> At But <br> least Esss <br> les <br> than <br>   | Single | Married <br> filing <br> jointly <br> Your ta | Married filing separately $x$ is - | Head of a household |
| 17,000 |  |  |  |  |
| 17,000 17,050 | 2,129 | 1,704 | 2,129 | 1,946 |
| 17,050 17,100 | 2,136 | 1,711 | 2,136 | 1,954 |
| 17,100 17,150 | 2,144 | 1,719 | 2,144 | 1,961 |
| 17,150 17,200 | 2,151 | 1,726 | 2,151 | 1,969 |
| 17,200 17,250 | 2,159 | 1,734 | 2,159 | 1,976 |
| 17,250 17,300 | 2,166 | 1,741 | 2,166 | 1,984 |
| 17,300 17,350 | 2,174 | 1,749 | 2,174 | 1,991 |
| 17,350 17,400 | 2,181 | 1,756 | 2,181 | 1,999 |
| 17,400 17,450 | 2,189 | 1,764 | 2,189 | 2,006 |
| 17,450 17,500 | 2,196 | 1,771 | 2,196 | 2,014 |
| 17,500 17,550 | 2,204 | 1,779 | 2,204 | 2,021 |
| 17,550 17,600 | 2,211 | 1,786 | 2,211 | 2,029 |
| 17,600 17,650 | 2,219 | 1,794 | 2,219 | 2,036 |
| 17,650 17,700 | 2,226 | 1,801 | 2,226 | 2,044 |
| 17,700 17,750 | 2,234 | 1,809 | 2,234 | 2,051 |
| 17,750 17,800 | 2,241 | 1,816 | 2,241 | 2,059 |
| 17,800 17,850 | 2,249 | 1,824 | 2,249 | 2,066 |
| 17,850 17,900 | 2,256 | 1,831 | 2,256 | 2,074 |
| 17,900 17,950 | 2,264 | 1,839 | 2,264 | 2,081 |
| 17,950 18,000 | 2,271 | 1,846 | 2,271 | 2,089 |
| 18,000 |  |  |  |  |
| 18,000 18,050 | 2,279 | 1,854 | 2,279 | 2,096 |
| 18,050 18,100 | 2,286 | 1,861 | 2,286 | 2,104 |
| 18,100 18,150 | 2,294 | 1,869 | 2,294 | 2,111 |
| 18,150 18,200 | 2,301 | 1,876 | 2,301 | 2,119 |
| 18,200 18,250 | 2,309 | 1,884 | 2,309 | 2,126 |
| 18,250 18,300 | 2,316 | 1,891 | 2,316 | 2,134 |
| 18,300 18,350 | 2,324 | 1,899 | 2,324 | 2,141 |
| 18,350 18,400 | 2,331 | 1,906 | 2,331 | 2,149 |
| 18,400 18,450 | 2,339 | 1,914 | 2,339 | 2,156 |
| 18,450 18,500 | 2,346 | 1,921 | 2,346 | 2,164 |
| 18,500 18,550 | 2,354 | 1,929 | 2,354 | 2,171 |
| 18,550 18,600 | 2,361 | 1,936 | 2,361 | 2,179 |
| 18,600 18,650 | 2,369 | 1,944 | 2,369 | 2,186 |
| 18,650 18,700 | 2,376 | 1,951 | 2,376 | 2,194 |
| 18,700 18,750 | 2,384 | 1,959 | 2,384 | 2,201 |
| 18,750 18,800 | 2,391 | 1,966 | 2,391 | 2,209 |
| 18,800 18,850 | 2,399 | 1,974 | 2,399 | 2,216 |
| 18,850 18,900 | 2,406 | 1,981 | 2,406 | 2,224 |
| 18,900 18,950 | 2,414 | 1,989 | 2,414 | 2,231 |
| 18,950 19,000 | 2,421 | 1,996 | 2,421 | 2,239 |

## 19,000

| 19,000 | 19,050 | 2,429 | 2,004 | 2,429 | 2,246 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 19,050 | 19,100 | 2,436 | 2,011 | 2,436 | 2,254 |
| 19,100 | 19,150 | 2,444 | 2,019 | 2,444 | 2,261 |
| 19,150 | 19,200 | 2,451 | 2,026 | 2,451 | 2,269 |
| 19,200 | 19,250 | 2,459 | 2,034 | 2,459 | 2,276 |
| 19,250 | 19,300 | 2,466 | 2,041 | 2,466 | 2,284 |
| 19,300 | 19,350 | 2,474 | 2,049 | 2,474 | 2,291 |
| 19,350 | 19,400 | 2,481 | 2,056 | 2,481 | 2,299 |
| 19,400 | 19,450 | 2,489 | 2,064 | 2,489 | 2,306 |
| 19,450 | 19,500 | 2,496 | 2,071 | 2,496 | 2,314 |
| 19,500 | 19,550 | 2,504 | 2,079 | 2,504 | 2,321 |
| 19,550 | 19,600 | 2,511 | 2,086 | 2,511 | 2,329 |
| 19,600 | 19,650 | 2,519 | 2,094 | 2,519 | 2,336 |
| 19,650 | 19,700 | 2,526 | 2,101 | $2,, 526$ | 2,344 |
| 19,700 | 19,750 | 2,534 | 2,109 | 2,534 | 2,351 |
| 19,750 | 19,800 | 2,541 | 2,116 | 2,541 | 2,359 |
| 19,800 | 19,850 | 2,549 | 2,124 | 2,549 | 2,366 |
| 19,850 | 19,900 | 2,556 | 2,131 | 2,556 | 2,374 |
| 19,900 | 19,950 | 2,564 | 2,139 | 2,564 | 2,381 |
| 19,950 | 20,000 | 2,571 | 2,146 | 2,571 | 2,389 |


| $\begin{aligned} & \text { If line } 43 \\ & \text { (taxable } \\ & \text { income) is- } \end{aligned}$ | And you are- |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|   <br> At But <br> least less <br>  than | Single | Married filing jointly Your ta | Married <br> filing <br> sepa- <br> rately <br> $x$ is - | Head of a house- hold |
| 20,000 |  |  |  |  |


| $\mathbf{2 0 , 0 0 0}$ | $\mathbf{2 0 , 0 5 0}$ | 2,579 | 2,154 | 2,579 | 2,396 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| $\mathbf{2 0 , 0 5 0}$ | $\mathbf{2 0 , 1 0 0}$ | 2,586 | 2,161 | 2,586 | 2,404 |
| $\mathbf{2 0 , 1 0 0}$ | $\mathbf{2 0 , 1 5 0}$ | 2,594 | 2,169 | 2,594 | 2,411 |
| $\mathbf{2 0 , 1 5 0}$ | $\mathbf{2 0 , 2 0 0}$ | 2,601 | 2,176 | 2,601 | 2,419 |
| $\mathbf{2 0 , 2 0 0}$ | $\mathbf{2 0 , 2 5 0}$ | 2,609 | 2,184 | 2,609 | 2,426 |
| $\mathbf{2 0 , 2 5 0}$ | $\mathbf{2 0 , 3 0 0}$ | 2,616 | 2,191 | 2,616 | 2,434 |
| $\mathbf{2 0 , 3 0 0}$ | $\mathbf{2 0 , 3 5 0}$ | 2,624 | 2,199 | 2,624 | $\mathbf{2 , 4 4 1}$ |
| $\mathbf{2 0 , 3 5 0}$ | $\mathbf{2 0 , 4 0 0}$ | 2,631 | 2,206 | 2,631 | 2,449 |
| $\mathbf{2 0 , 4 0 0}$ | $\mathbf{2 0 , 4 5 0}$ | 2,639 | 2,214 | 2,639 | 2,456 |
| $\mathbf{2 0 , 4 5 0}$ | $\mathbf{2 0 , 5 0 0}$ | 2,646 | 2,221 | 2,646 | 2,464 |
| $\mathbf{2 0 , 5 0 0}$ | $\mathbf{2 0 , 5 5 0}$ | 2,654 | 2,229 | 2,654 | 2,471 |
| $\mathbf{2 0 , 5 5 0}$ | $\mathbf{2 0 , 6 0 0}$ | 2,661 | 2,236 | 2,661 | 2,479 |
| $\mathbf{2 0 , 6 0 0}$ | $\mathbf{2 0 , 6 5 0}$ | 2,669 | 2,244 | 2,669 | 2,486 |
| $\mathbf{2 0 , 6 5 0}$ | $\mathbf{2 0 , 7 0 0}$ | 2,676 | 2,251 | 2,676 | 2,494 |
| $\mathbf{2 0 , 7 0 0}$ | $\mathbf{2 0 , 7 5 0}$ | 2,684 | 2,259 | 2,684 | 2,501 |
| $\mathbf{2 0 , 7 5 0}$ | $\mathbf{2 0 , 8 0 0}$ | 2,691 | 2,266 | 2,691 | 2,509 |
| $\mathbf{2 0 , 8 0 0}$ | $\mathbf{2 0 , 8 5 0}$ | 2,699 | 2,274 | 2,699 | 2,516 |
| $\mathbf{2 0 , 8 5 0}$ | $\mathbf{2 0 , 9 0 0}$ | 2,706 | 2,281 | 2,706 | 2,524 |
| $\mathbf{2 0 , 9 0 0}$ | $\mathbf{2 0 , 9 5 0}$ | 2,714 | 2,289 | 2,714 | 2,531 |
| $\mathbf{2 0 , 9 5 0}$ | $\mathbf{2 1 , 0 0 0}$ | 2,721 | 2,296 | 2,721 | 2,539 |
| $\mathbf{2 1 0}$ | $\mathbf{2 0}$ |  |  |  |  |

## 21,000

|  | 21,050 | 2,729 | 2,304 | 2,729 |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 21,100 | 2,736 | 2,311 | 2,736 |  |
| 21,1 | 21,150 | 2,744 | 2,319 | 2,744 |  |
| 21,150 | 21,200 | 2,751 | 2,326 | 2,751 |  |
| 21,200 | 21,250 | 2,759 | 2,334 | 2,759 | 2,5 |
| 21,250 | 21,300 | 2,766 | 2,341 | 2,766 |  |
| 21,300 | 21,350 | 2,774 | 2,349 | 2,774 |  |
| 21,350 | 21,400 | 2,781 | 2,356 | 2,781 | 2,599 |
| 21,400 | 21,450 | 2,789 | 2,364 | 2,789 | 2,606 |
| 21,450 | 21,500 | 2,796 | 2,371 | 2,796 |  |
| 21,500 | 21,550 | 2,80 | 2,379 | 2,80 |  |
| 21,550 | 21,600 | 2,81 | 2,386 | , | 2,629 |
| 21,60 | 21 | 2,819 | 2,394 | 2,819 | 2,636 |
| 21,650 | 21,700 | 2,826 | 2,401 | 2,82 | ,64 |
| 21,700 | 21,750 | 2,83 | 2,409 | 2,83 | , |
| 21,750 | 21,800 | 2,8 | 2,4 | 2,841 | 2,659 |
| 21,800 | 21, | 2,849 | 2,424 | 2,849 | 666 |
| 21,850 | 21,900 | 2,856 | 2,431 | 2,856 | ,674 |
| 21,900 | 21,950 | 2,864 | 2,439 | 2,864 | ,681 |
| 21,950 | 22,000 | 2,871 | 2,446 | 2,871 | 2,689 |

## 22,000

| 22,000 | 22,050 | 2,879 | 2,454 | , | 2,696 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 22,050 | 22,100 | 2,886 | 2,461 |  |  |
| 22,100 | 22,150 | 2,894 | 2,469 |  |  |
| 22,150 | 22,200 | 2,90 | 2,47 | 2, |  |
| 22,200 | 22,250 | 2,909 | 2,484 | 2,909 | 2,726 |
| 22,250 | 22,300 | 2,916 | 2,491 | 2,916 |  |
| 22,300 | 22,350 | 2,924 | 2,499 | 2,924 | 41 |
| 22,350 | 22,400 | 2,931 | 2,506 | 2,931 | 2,749 |
| 22,400 | 22,450 | 2,939 | 2,514 | 2,939 | 6 |
| 22,450 | 22,500 | 2,946 | 2,521 | 2,94 | 2,764 |
| 22,500 | 22,550 | 2,954 | 2,529 | 2,95 | 2,771 |
| 22,550 | 22,600 | 2, | 2,53 | 2, | - |
| 22,60 | 22, | 2,9 | 2 | 2,969 | 86 |
| 22,650 | 22,700 | 2,976 | 2,55 | 2,976 | 794 |
| 22,700 | 22,750 | 2,984 | 2,55 | 2,98 | ,801 |
| 22,750 | 22,800 | 2,9 | , | 2,99 | 809 |
| 22,800 | 22, | 2,999 | 2,574 | 99 |  |
| 22,850 | 22,900 | 3,006 | 2,58 | 3,006 | 2,824 |
| 22,900 | 22,950 | 3,014 | 2,589 | 3,014 | 2,831 |
| 22,950 | 23,000 | 3,021 | 2,59 | 3,021 | 2,839 |


| If line 4 income) | is- | And you are- |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| At least | But less than | Single | Married <br> filing <br> jointly <br> Your ta | Married <br> filing <br> rately <br> $x$ is | Head of a household |
| 23,000 |  |  |  |  |  |
| 23,000 | 23,050 | 3,029 | 2,604 | 3,029 | 2,846 |
| 23,050 | 23,100 | 3,036 | 2,611 | 3,036 | 2,854 |
| 23,100 | 23,150 | 3,044 | 2,619 | 3,044 | 2,861 |
| 23,150 | 23,200 | 3,051 | 2,626 | 3,051 | 2,869 |
| 23,200 | 23,250 | 3,059 | 2,634 | 3,059 | 2,876 |
| 23,250 | 23,300 | 3,066 | 2,641 | 3,066 | 2,884 |
| 23,300 | 23,350 | 3,074 | 2,649 | 3,074 | 2,891 |
| 23,350 | 23,400 | 3,081 | 2,656 | 3,081 | 2,899 |
| 23,400 | 23,450 | 3,089 | 2,664 | 3,089 | 2,906 |
| 23,450 | 23,500 | 3,096 | 2,671 | 3,096 | 2,914 |
| 23,500 | 23,550 | 3,104 | 2,679 | 3,104 | 2,921 |
| 23,550 | 23,600 | 3,111 | 2,686 | 3,111 | 2,929 |
| 23,600 | 23,650 | 3,119 | 2,694 | 3,119 | 2,936 |
| 23,650 | 23,700 | 3,126 | 2,701 | 3,126 | 2,944 |
| 23,700 | 23,750 | 3,134 | 2,709 | 3,134 | 2,951 |
| 23,750 | 23,800 | 3,141 | 2,716 | 3,141 | 2,959 |
| 23,800 | 23,850 | 3,149 | 2,724 | 3,149 | 2,966 |
| 23,850 | 23,900 | 3,156 | 2,731 | 3,156 | 2,974 |
| 23,900 | 23,950 | 3,164 | 2,739 | 3,164 | 2,981 |
| 23,950 | 24,000 | 3,171 | 2,746 | 3,171 | 2,989 |
| 24,000 |  |  |  |  |  |
| 24,000 | 24,050 | 3,179 | 2,754 | 3,179 | 2,996 |
| 24,050 | 24,100 | 3,186 | 2,761 | 3,186 | 3,004 |
| 24,100 | 24,150 | 3,194 | 2,769 | 3,194 | 3,011 |
| 24,150 | 24,200 | 3,201 | 2,776 | 3,201 | 3,019 |
| 24,200 | 24,250 | 3,209 | 2,784 | 3,209 | 3,026 |
| 24,250 | 24,300 | 3,216 | 2,791 | 3,216 | 3,034 |
| 24,300 | 24,350 | 3,224 | 2,799 | 3,224 | 3,041 |
| 24,350 | 24,400 | 3,231 | 2,806 | 3,231 | 3,049 |
| 24,400 | 24,450 | 3,239 | 2,814 | 3,239 | 3,056 |
| 24,450 | 24,500 | 3,246 | 2,821 | 3,246 | 3,064 |
| 24,500 | 24,550 | 3,254 | 2,829 | 3,254 | 3,071 |
| 24,550 | 24,600 | 3,261 | 2,836 | 3,261 | 3,079 |
| 24,600 | 24,650 | 3,269 | 2,844 | 3,269 | 3,086 |
| 24,650 | 24,700 | 3,276 | 2,851 | 3,276 | 3,094 |
| 24,700 | 24,750 | 3,284 | 2,859 | 3,284 | 3,101 |
| 24,750 | 24,800 | 3,291 | 2,866 | 3,291 | 3,109 |
| 24,800 | 24,850 | 3,299 | 2,874 | 3,299 | 3,116 |
| 24,850 | 24,900 | 3,306 | 2,881 | 3,306 | 3,124 |
| 24,900 | 24,950 | 3,314 | 2,889 | 3,314 | 3,131 |
| 24,950 | 25,000 | 3,321 | 2,896 | 3,321 | 3,139 |
| 25,000 |  |  |  |  |  |
| 25,000 | 25,050 | 3,329 | 2,904 | 3,329 | 3,146 |
| 25,050 | 25,100 | 3,336 | 2,911 | 3,336 | 3,154 |
| 25,100 | 25,150 | 3,344 | 2,919 | 3,344 | 3,161 |
| 25,150 | 25,200 | 3,351 | 2,926 | 3,351 | 3,169 |
| 25,200 | 25,250 | 3,359 | 2,934 | 3,359 | 3,176 |
| 25,250 | 25,300 | 3,366 | 2,941 | 3,366 | 3,184 |
| 25,300 | 25,350 | 3,374 | 2,949 | 3,374 | 3,191 |
| 25,350 | 25,400 | 3,381 | 2,956 | 3,381 | 3,199 |
| 25,400 | 25,450 | 3,389 | 2,964 | 3,389 | 3,206 |
| 25,450 | 25,500 | 3,396 | 2,971 | 3,396 | 3,214 |
| 25,500 | 25,550 | 3,404 | 2,979 | 3,404 | 3,221 |
| 25,550 | 25,600 | 3,411 | 2,986 | 3,411 | 3,229 |
| 25,600 | 25,650 | 3,419 | 2,994 | 3,419 | 3,236 |
| 25,650 | 25,700 | 3,426 | 3,001 | 3,426 | 3,244 |
| 25,700 | 25,750 | 3,434 | 3,009 | 3,434 | 3,251 |
| 25,750 | 25,800 | 3,441 | 3,016 | 3,441 | 3,259 |
| 25,800 | 25,850 | 3,449 | 3,024 | 3,449 | 3,266 |
| 25,850 | 25,900 | 3,456 | 3,031 | 3,456 | 3,274 |
| 25,900 | 25,950 | 3,464 | 3,039 | 3,464 | 3,281 |
| 25,950 | 26,000 | 3,471 | 3,046 | 3,471 | 3,289 |


| If line (taxabl income | is- | And you are- |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| At least | But less than | Single | Married filing jointly <br> Your ta | Married filing separately ax | Head of a household |
| 26,000 |  |  |  |  |  |
| 26,000 | 26,050 | 3,479 | 3,054 | 3,479 | 3,296 |
| 26,050 | 26,100 | 3,486 | 3,061 | 3,486 | 3,304 |
| 26,100 | 26,150 | 3,494 | 3,069 | 3,494 | 3,311 |
| 26,150 | 26,200 | 3,501 | 3,076 | 3,501 | 3,319 |
| 26,200 | 26,250 | 3,509 | 3,084 | 3,509 | 3,326 |
| 26,250 | 26,300 | 3,516 | 3,091 | 3,516 | 3,334 |
| 26,300 | 26,350 | 3,524 | 3,099 | 3,524 | 3,341 |
| 26,350 | 26,400 | 3,531 | 3,106 | 3,531 | 3,349 |
| 26,400 | 26,450 | 3,539 | 3,114 | 3,539 | 3,356 |
| 26,450 | 26,500 | 3,546 | 3,121 | 3,546 | 3,364 |
| 26,500 | 26,550 | 3,554 | 3,129 | 3,554 | 3,371 |
| 26,550 | 26,600 | 3,561 | 3,136 | 3,561 | 3,379 |
| 26,600 | 26,650 | 3,569 | 3,144 | 3,569 | 3,386 |
| 26,650 | 26,700 | 3,576 | 3,151 | 3,576 | 3,394 |
| 26,700 | 26,750 | 3,584 | 3,159 | 3,584 | 3,401 |
| 26,750 | 26,800 | 3,591 | 3,166 | 3,591 | 3,409 |
| 26,800 | 26,850 | 3,599 | 3,174 | 3,599 | 3,416 |
| 26,850 | 26,900 | 3,606 | 3,181 | 3,606 | 3,424 |
| 26,900 | 26,950 | 3,614 | 3,189 | 3,614 | 3,431 |
| 26,950 | 27,000 | 3,621 | 3,196 | 3,621 | 3,439 |
| 27,000 |  |  |  |  |  |
| 27,000 | 27,050 | 3,629 | 3,204 | 3,629 | 3,446 |
| 27,050 | 27,100 | 3,636 | 3,211 | 3,636 | 3,454 |
| 27,100 | 27,150 | 3,644 | 3,219 | 3,644 | 3,461 |
| 27,150 | 27,200 | 3,651 | 3,226 | 3,651 | 3,469 |
| 27,200 | 27,250 | 3,659 | 3,234 | 3,659 | 3,476 |
| 27,250 | 27,300 | 3,666 | 3,241 | 3,666 | 3,484 |
| 27,300 | 27,350 | 3,674 | 3,249 | 3,674 | 3,491 |
| 27,350 | 27,400 | 3,681 | 3,256 | 3,681 | 3,499 |
| 27,400 | 27,450 | 3,689 | 3,264 | 3,689 | 3,506 |
| 27,450 | 27,500 | 3,696 | 3,271 | 3,696 | 3,514 |
| 27,500 | 27,550 | 3,704 | 3,279 | 3,704 | 3,521 |
| 27,550 | 27,600 | 3,711 | 3,286 | 3,711 | 3,529 |
| 27,600 | 27,650 | 3,719 | 3,294 | 3,719 | 3,536 |
| 27,650 | 27,700 | 3,726 | 3,301 | 3,726 | 3,544 |
| 27,700 | 27,750 | 3,734 | 3,309 | 3,734 | 3,551 |
| 27,750 | 27,800 | 3,741 | 3,316 | 3,741 | 3,559 |
| 27,800 | 27,850 | 3,749 | 3,324 | 3,749 | 3,566 |
| 27,850 | 27,900 | 3,756 | 3,331 | 3,756 | 3,574 |
| 27,900 | 27,950 | 3,764 | 3,339 | 3,764 | 3,581 |
| 27,950 | 28,000 | 3,771 | 3,346 | 3,771 | 3,589 |
| 28,000 |  |  |  |  |  |
| 28,000 | 28,050 | 3,779 | 3,354 | 3,779 | 3,596 |
| 28,050 | 28,100 | 3,786 | 3,361 | 3,786 | 3,604 |
| 28,100 | 28,150 | 3,794 | 3,369 | 3,794 | 3,611 |
| 28,150 | 28,200 | 3,801 | 3,376 | 3,801 | 3,619 |
| 28,200 | 28,250 | 3,809 | 3,384 | 3,809 | 3,626 |
| 28,250 | 28,300 | 3,816 | 3,391 | 3,816 | 3,634 |
| 28,300 | 28,350 | 3,824 | 3,399 | 3,824 | 3,641 |
| 28,350 | 28,400 | 3,831 | 3,406 | 3,831 | 3,649 |
| 28,400 | 28,450 | 3,839 | 3,414 | 3,839 | 3,656 |
| 28,450 | 28,500 | 3,846 | 3,421 | 3,846 | 3,664 |
| 28,500 | 28,550 | 3,854 | 3,429 | 3,854 | 3,671 |
| 28,550 | 28,600 | 3,861 | 3,436 | 3,861 | 3,679 |
| 28,600 | 28,650 | 3,869 | 3,444 | 3,869 | 3,686 |
| 28,650 | 28,700 | 3,876 | 3,451 | 3,876 | 3,694 |
| 28,700 | 28,750 | 3,884 | 3,459 | 3,884 | 3,701 |
| 28,750 | 28,800 | 3,891 | 3,466 | 3,891 | 3,709 |
| 28,800 | 28,850 | 3,899 | 3,474 | 3,899 | 3,716 |
| 28,850 | 28,900 | 3,906 | 3,481 | 3,906 | 3,724 |
| 28,900 | 28,950 | 3,914 | 3,489 | 3,914 | 3,731 |
| 28,950 | 29,000 | 3,921 | 3,496 | 3,921 | 3,739 |


| If line income) | is- | And you are- |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| At least | $\begin{aligned} & \text { But } \\ & \text { less } \\ & \text { than } \end{aligned}$ | Single | Married filing jointly Your ta | Married <br> filing <br> sepa- <br> rately <br> ax | Head of a house- |
| 29,000 |  |  |  |  |  |
| 29,000 | 29,050 | 3,929 | 3,504 | 3,929 | 3,746 |
| 29,050 | 29,100 | 3,936 | 3,511 | 3,936 | 3,754 |
| 29,100 | 29,150 | 3,944 | 3,519 | 3,944 | 3,761 |
| 29,150 | 29,200 | 3,951 | 3,526 | 3,951 | 3,769 |
| 29,200 | 29,250 | 3,959 | 3,534 | 3,959 | 3,776 |
| 29,250 | 29,300 | 3,966 | 3,541 | 3,966 | 3,784 |
| 29,300 | 29,350 | 3,974 | 3,549 | 3,974 | 3,791 |
| 29,350 | 29,400 | 3,981 | 3,556 | 3,981 | 3,799 |
| 29,400 | 29,450 | 3,989 | 3,564 | 3,989 | 3,806 |
| 29,450 | 29,500 | 3,996 | 3,571 | 3,996 | 3,814 |
| 29,500 | 29,550 | 4,004 | 3,579 | 4,004 | 3,821 |
| 29,550 | 29,600 | 4,011 | 3,586 | 4,011 | 3,829 |
| 29,600 | 29,650 | 4,019 | 3,594 | 4,019 | 3,836 |
| 29,650 | 29,700 | 4,026 | 3,601 | 4,026 | 3,844 |
| 29,700 | 29,750 | 4,034 | 3,609 | 4,034 | 3,851 |
| 29,750 | 29,800 | 4,041 | 3,616 | 4,041 | 3,859 |
| 29,800 | 29,850 | 4,049 | 3,624 | 4,049 | 3,866 |
| 29,850 | 29,900 | 4,056 | 3,631 | 4,056 | 3,874 |
| 29,900 | 29,950 | 4,064 | 3,639 | 4,064 | 3,881 |
| 29,950 | 30,000 | 4,071 | 3,646 | 4,071 | 3,889 |


| 30,000 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30,000 | 30,050 | 4,079 | 3,654 | 4,079 | 3,896 |
| 30,050 | 30,100 | 4,086 | 3,661 | 4,086 | 3,904 |
| 30,100 | 30,150 | 4,094 | 3,669 | 4,094 | 3,911 |
| 30,150 | 30,200 | 4,101 | 3,676 | 4,101 | 3,919 |
| 30,200 | 30,250 | 4,109 | 3,684 | 4,109 | 3,926 |
| 30,250 | 30,300 | 4,116 | 3,691 | 4,116 | 3,934 |
| 30,300 | 30,350 | 4,124 | 3,699 | 4,124 | 3,941 |
| 30,350 | 30,400 | 4,131 | 3,706 | 4,131 | 3,949 |
| 30,400 | 30,450 | 4,139 | 3,714 | 4,139 | 3,956 |
| 30,450 | 30,500 | 4,146 | 3,721 | 4,146 | 3,964 |
| 30,500 | 30,550 | 4,154 | 3,729 | 4,154 | 3,971 |
| 30,550 | 30,600 | 4,161 | 3,736 | 4,161 | 3,979 |
| 30,600 | 30,650 | 4,169 | 3,744 | 4,169 | 3,986 |
| 30,650 | 30,700 | 4,176 | 3,751 | 4,176 | 3,994 |
| 30,700 | 30,750 | 4,184 | 3,759 | 4,184 | 4,001 |
| 30,750 | 30,800 | 4,191 | 3,766 | 4,191 | 4,009 |
| 30,800 | 30,850 | 4,199 | 3,774 | 4,199 | 4,016 |
| 30,850 | 30,900 | 4,206 | 3,781 | 4,206 | 4,024 |
| 30,900 | 30,950 | 4,214 | 3,789 | 4,214 | 4,031 |
| 30,950 | 31,000 | 4,221 | 3,796 | 4,221 | 4,039 |

31,000

| 31,000 | 31,050 | 4,229 | 3,804 | 4,229 | 4,046 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 31,050 | 31,100 | 4,236 | 3,811 | 4,236 | 4,054 |
| 31,100 | 31,150 | 4,244 | 3,819 | 4,244 | 4,061 |
| 31,150 | 31,200 | 4,251 | 3,826 | 4,251 | 4,069 |
| 31,200 | 31,250 | 4,259 | 3,834 | 4,259 | 4,076 |
| 31,250 | 31,300 | 4,266 | 3,841 | 4,266 | 4,084 |
| 31,300 | 31,350 | 4,274 | 3,849 | 4,274 | 4,091 |
| 31,350 | 31,400 | 4,281 | 3,856 | 4,281 | 4,099 |
| 31,400 | 31,450 | 4,289 | 3,864 | 4,289 | 4,106 |
| 31,450 | 31,500 | 4,296 | 3,871 | 4,296 | 4,114 |
| 31,500 | 31,550 | 4,304 | 3,879 | 4,304 | 4,121 |
| 31,550 | 31,600 | 4,311 | 3,886 | 4,311 | 4,129 |
| 31,600 | 31,650 | 4,319 | 3,894 | 4,319 | 4,136 |
| 31,650 | 31,700 | 4,326 | 3,901 | 4,326 | 4,144 |
| 31,700 | 31,750 | 4,334 | 3,909 | 4,334 | 4,151 |
| 31,750 | 31,800 | 4,341 | 3,916 | 4,341 | 4,159 |
| 31,800 | 31,850 | 4,349 | 3,924 | 4,349 | 4,166 |
| 31,850 | 31,900 | 4,356 | 3,931 | 4,356 | 4,174 |
| 31,900 | 31,950 | 4,364 | 3,939 | 4,364 | 4,181 |
| 31,950 | 32,000 | 4,371 | 3,946 | 4,371 | 4,189 |

2011 Tax Table-Continued

| If line 43 (taxable income) is - | And you are- |  |  |  | If line 43 (taxable income) is - |  | And you are- |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  At <br> least But <br> less <br>  than | Single | Married filing jointly Your ta | Married <br> filing <br> sepa- <br> rately <br> ax | Head of a household | At least | But less than | Single | Married filing jointly Your ta | Married filing separately ax is | Head of a household |
| 32,000 |  |  |  |  | 35,000 |  |  |  |  |  |
| 32,000 32,050 | 4,379 | 3,954 | 4,379 | 4,196 | 35,000 | 35,050 | 4,881 | 4,404 | 4,881 | 4,646 |
| 32,050 32,100 | 4,386 | 3,961 | 4,386 | 4,204 | 35,050 | 35,100 | 4,894 | 4,411 | 4,894 | 4,654 |
| 32,100 32,150 | 4,394 | 3,969 | 4,394 | 4,211 | 35,100 | 35,150 | 4,906 | 4,419 | 4,906 | 4,661 |
| 32,150 32,200 | 4,401 | 3,976 | 4,401 | 4,219 | 35,150 | 35,200 | 4,919 | 4,426 | 4,919 | 4,669 |
| 32,200 32,250 | 4,409 | 3,984 | 4,409 | 4,226 | 35,200 | 35,250 | 4,931 | 4,434 | 4,931 | 4,676 |
| 32,250 32,300 | 4,416 | 3,991 | 4,416 | 4,234 | 35,250 | 35,300 | 4,944 | 4,441 | 4,944 | 4,684 |
| 32,300 32,350 | 4,424 | 3,999 | 4,424 | 4,241 | 35,300 | 35,350 | 4,956 | 4,449 | 4,956 | 4,691 |
| 32,350 32,400 | 4,431 | 4,006 | 4,431 | 4,249 | 35,350 | 35,400 | 4,969 | 4,456 | 4,969 | 4,699 |
| 32,400 32,450 | 4,439 | 4,014 | 4,439 | 4,256 | 35,400 | 35,450 | 4,981 | 4,464 | 4,981 | 4,706 |
| 32,450 32,500 | 4,446 | 4,021 | 4,446 | 4,264 | 35,450 | 35,500 | 4,994 | 4,471 | 4,994 | 4,714 |
| 32,500 32,550 | 4,454 | 4,029 | 4,454 | 4,271 | 35,500 | 35,550 | 5,006 | 4,479 | 5,006 | 4,721 |
| 32,550 32,600 | 4,461 | 4,036 | 4,461 | 4,279 | 35,550 | 35,600 | 5,019 | 4,486 | 5,019 | 4,729 |
| 32,600 32,650 | 4,469 | 4,044 | 4,469 | 4,286 | 35,600 | 35,650 | 5,031 | 4,494 | 5,031 | 4,736 |
| 32,650 32,700 | 4,476 | 4,051 | 4,476 | 4,294 | 35,650 | 35,700 | 5,044 | 4,501 | 5,044 | 4,744 |
| 32,700 32,750 | 4,484 | 4,059 | 4,484 | 4,301 | 35,700 | 35,750 | 5,056 | 4,509 | 5,056 | 4,751 |
| 32,750 32,800 | 4,491 | 4,066 | 4,491 | 4,309 | 35,750 | 35,800 | 5,069 | 4,516 | 5,069 | 4,759 |
| 32,800 32,850 | 4,499 | 4,074 | 4,499 | 4,316 | 35,800 | 35,850 | 5,081 | 4,524 | 5,081 | 4,766 |
| 32,850 32,900 | 4,506 | 4,081 | 4,506 | 4,324 | 35,850 | 35,900 | 5,094 | 4,531 | 5,094 | 4,774 |
| 32,900 32,950 | 4,514 | 4,089 | 4,514 | 4,331 | 35,900 | 35,950 | 5,106 | 4,539 | 5,106 | 4,781 |
| 32,950 33,000 | 4,521 | 4,096 | 4,521 | 4,339 | 35,950 | 36,000 | 5,119 | 4,546 | 5,119 | 4,789 |
| 33,000 |  |  |  |  | 36 |  |  |  |  |  |
| 33,000 33,050 | 4,529 | 4,104 | 4,529 | 4,346 | 36,000 | 36,050 | 5,131 | 4,554 | 5,131 | 4,796 |
| 33,050 33,100 | 4,536 | 4,111 | 4,536 | 4,354 | 36,050 | 36,100 | 5,144 | 4,561 | 5,144 | 4,804 |
| 33,100 33,150 | 4,544 | 4,119 | 4,544 | 4,361 | 36,100 | 36,150 | 5,156 | 4,569 | 5,156 | 4,811 |
| 33,150 33,200 | 4,551 | 4,126 | 4,551 | 4,369 | 36,150 | 36,200 | 5,169 | 4,576 | 5,169 | 4,819 |
| 33,200 33,250 | 4,559 | 4,134 | 4,559 | 4,376 | 36,200 | 36,250 | 5,181 | 4,584 | 5,181 | 4,826 |
| 33,250 33,300 | 4,566 | 4,141 | 4,566 | 4,384 | 36,250 | 36,300 | 5,194 | 4,591 | 5,194 | 4,834 |
| 33,300 33,350 | 4,574 | 4,149 | 4,574 | 4,391 | 36,300 | 36,350 | 5,206 | 4,599 | 5,206 | 4,841 |
| 33,350 33,400 | 4,581 | 4,156 | 4,581 | 4,399 | 36,350 | 36,400 | 5,219 | 4,606 | 5,219 | 4,849 |
| 33,400 33,450 | 4,589 | 4,164 | 4,589 | 4,406 | 36,400 | 36,450 | 5,231 | 4,614 | 5,231 | 4,856 |
| 33,450 33,500 | 4,596 | 4,171 | 4,596 | 4,414 | 36,450 | 36,500 | 5,244 | 4,621 | 5,244 | 4,864 |
| 33,500 33,550 | 4,604 | 4,179 | 4,604 | 4,421 | 36,500 | 36,550 | 5,256 | 4,629 | 5,256 | 4,871 |
| 33,550 33,600 | 4,611 | 4,186 | 4,611 | 4,429 | 36,550 | 36,600 | 5,269 | 4,636 | 5,269 | 4,879 |
| 33,600 33,650 | 4,619 | 4,194 | 4,619 | 4,436 | 36,600 | 36,650 | 5,281 | 4,644 | 5,281 | 4,886 |
| 33,650 33,700 | 4,626 | 4,201 | 4,626 | 4,444 | 36,650 | 36,700 | 5,294 | 4,651 | 5,294 | 4,894 |
| 33,700 33,750 | 4,634 | 4,209 | 4,634 | 4,451 | 36,700 | 36,750 | 5,306 | 4,659 | 5,306 | 4,901 |
| 33,750 33,800 | 4,641 | 4,216 | 4,641 | 4,459 | 36,750 | 36,800 | 5,319 | 4,666 | 5,319 | 4,909 |
| 33,800 33,850 | 4,649 | 4,224 | 4,649 | 4,466 | 36,800 | 36,850 | 5,331 | 4,674 | 5,331 | 4,916 |
| 33,850 33,900 | 4,656 | 4,231 | 4,656 | 4,474 | 36,850 | 36,900 | 5,344 | 4,681 | 5,344 | 4,924 |
| 33,900 33,950 | 4,664 | 4,239 | 4,664 | 4,481 | 36,900 | 36,950 | 5,356 | 4,689 | 5,356 | 4,931 |
| 33,950 34,000 | 4,671 | 4,246 | 4,671 | 4,489 | 36,950 | 37,000 | 5,369 | 4,696 | 5,369 | 4,939 |
| 34,000 |  |  |  |  | 37,0 |  |  |  |  |  |
| 34,000 34,050 | 4,679 | 4,254 | 4,679 | 4,496 | 37,000 | 37,050 | 5,381 | 4,704 | 5,381 | 4,946 |
| 34,050 34,100 | 4,686 | 4,261 | 4,686 | 4,504 | 37,050 | 37,100 | 5,394 | 4,711 | 5,394 | 4,954 |
| 34,100 34,150 | 4,694 | 4,269 | 4,694 | 4,511 | 37,100 | 37,150 | 5,406 | 4,719 | 5,406 | 4,961 |
| 34,150 34,200 | 4,701 | 4,276 | 4,701 | 4,519 | 37,150 | 37,200 | 5,419 | 4,726 | 5,419 | 4,969 |
| 34,200 34,250 | 4,709 | 4,284 | 4,709 | 4,526 | 37,200 | 37,250 | 5,431 | 4,734 | 5,431 | 4,976 |
| 34,250 34,300 | 4,716 | 4,291 | 4,716 | 4,534 | 37,250 | 37,300 | 5,444 | 4,741 | 5,444 | 4,984 |
| 34,300 34,350 | 4,724 | 4,299 | 4,724 | 4,541 | 37,300 | 37,350 | 5,456 | 4,749 | 5,456 | 4,991 |
| 34,350 34,400 | 4,731 | 4,306 | 4,731 | 4,549 | 37,350 | 37,400 | 5,469 | 4,756 | 5,469 | 4,999 |
| 34,400 34,450 | 4,739 | 4,314 | 4,739 | 4,556 | 37,400 | 37,450 | 5,481 | 4,764 | 5,481 | 5,006 |
| 34,450 34,500 | 4,746 | 4,321 | 4,746 | 4,564 | 37,450 | 37,500 | 5,494 | 4,771 | 5,494 | 5,014 |
| 34,500 34,550 | 4,756 | 4,329 | 4,756 | 4,571 | 37,500 | 37,550 | 5,506 | 4,779 | 5,506 | 5,021 |
| 34,550 34,600 | 4,769 | 4,336 | 4,769 | 4,579 | 37,550 | 37,600 | 5,519 | 4,786 | 5,519 | 5,029 |
| 34,600 34,650 | 4,781 | 4,344 | 4,781 | 4,586 | 37,600 | 37,650 | 5,531 | 4,794 | 5,531 | 5,036 |
| 34,650 34,700 | 4,794 | 4,351 | 4,794 | 4,594 | 37,650 | 37,700 | 5,544 | 4,801 | 5,544 | 5,044 |
| 34,700 34,750 | 4,806 | 4,359 | 4,806 | 4,601 | 37,700 | 37,750 | 5,556 | 4,809 | 5,556 | 5,051 |
| 34,750 34,800 | 4,819 | 4,366 | 4,819 | 4,609 | 37,750 | 37,800 | 5,569 | 4,816 | 5,569 | 5,059 |
| 34,800 34,850 | 4,831 | 4,374 | 4,831 | 4,616 | 37,800 | 37,850 | 5,581 | 4,824 | 5,581 | 5,066 |
| 34,850 34,900 | 4,844 | 4,381 | 4,844 | 4,624 | 37,850 | 37,900 | 5,594 | 4,831 | 5,594 | 5,074 |
| 34,900 34,950 | 4,856 | 4,389 | 4,856 | 4,631 | 37,900 | 37,950 | 5,606 | 4,839 | 5,606 | 5,081 |
| 34,950 35,000 | 4,869 | 4,396 | 4,869 | 4,639 | 37,950 | 38,000 | 5,619 | 4,846 | 5,619 | 5,089 |


| If line taxa inco | is | And you are- |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| At least | But less than | Single | Married filing jointly Your ta | Married <br> tiling <br> rately <br> $x$ is - | Head of a household |
| 38,000 |  |  |  |  |  |


| 38 | 38,050 | 5,63 | 4,854 | 5 |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 38,050 | 38,100 | 5,644 | 4,861 | 5,644 |  |
| 38,100 | 38,150 | 5,656 | 4,869 | 5,656 |  |
| 38,150 | 38,200 | 5,669 | 4,876 |  | 5,119 |
| 38,200 | 38,250 | 5,681 | 4,884 | 5,681 | 26 |
| 38,250 | 38,300 | 5,694 | 4,891 | 5,6 |  |
| 38,300 | 38,350 | 5,706 | 4,899 | 5,706 |  |
| 38,35 | 38,400 | 5,719 | 4,90 | 5 | 5,149 |
| 38,400 | 38,450 | 5,731 | 4,9 | 5,7 | 5,156 |
| 38,450 | 38,500 | 5,744 | 4,921 | 5,7 |  |
| 38,500 | 38,550 | 5,756 | 4,929 | 5,756 |  |
| 38,5 | 38, | 5, |  | 5 | ,179 |
| 38,60 | 38, | 5,781 | 4, | 5,7 | 86 |
| 38,650 | 38,700 | 5,794 | 4,951 | 5,794 | , |
| 38,700 | 38,750 | 5,806 | 4,959 | 5,806 | (1) |
| 38,750 | 38,800 | 5,819 | , | 5,819 | - |
| 38,800 | 38, | 5, |  |  |  |
| 38,850 | 38,900 | 5,844 | 4,981 | 5,844 | , |
| 38,900 | 38,950 | 5,856 | 4,989 | 5,856 | 231 |
| 38,9 | 39,00 | 5,86 | 4,9 | 5,8 | 5,239 |

## 39,000

|  | 39,050 | 5,881 | 5,004 | 5,881 | 5,246 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 39,050 | 39,100 | 5,894 | 5,011 | 5,894 |  |
| 39,100 | 39,150 | 5,906 | 5,019 | 5,906 |  |
| 39,150 | 39,200 | 5,919 | 5,026 | 5 | 69 |
| 39,200 | 39,250 | 5,931 | 5,034 | 5,931 | 5,276 |
| 39,250 | 39,300 | 5,944 | 5,041 | 5,944 |  |
| 39,300 | 39,350 | 5,956 | 5,049 | 5,956 |  |
| 39,350 | 39,400 | 5,969 | 5 | 5 | ,299 |
| 39,400 | 39,450 | 5,981 | 5,06 | 5,981 | 5,306 |
| 39,450 | 39,500 | 5,994 | 5,071 | 5,994 |  |
| 39,500 | 39,550 | 6,006 | 5,079 | 6,006 |  |
| 39 | , | 6,019 | 5,086 | 6,019 | 5,329 |
| 39,600 | 39, | 6,03 | 5,0 | 6,0 | 5,336 |
| 39,650 | 39,700 | 6,044 | 5,101 | 6,04 |  |
| 39,700 | 39,750 | 6,056 | 5,109 | 6,056 | 仿 |
| 39,750 | 39,800 | , | ,116 | 6,069 | 90 |
| 39,800 | 39, | 6,081 | 5,124 | 6,081 | 66 |
| 39,850 | 39,900 | 6,094 | 5,131 | 6,094 | ,374 |
| 39,900 | 39,950 | 6,106 | 5,139 | 6,106 | 5,381 |
| 39,950 | 40,000 | 6,119 | 5,146 | 6,1 | 5,389 |

40,000

| 40 | 40,050 | 6,131 | 5,154 | 6,131 | 5,396 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 40,050 | 40,100 | 6,144 | 5,161 | 6,144 | 5,404 |
| 40,100 | 40,150 | 6,156 |  | 6,1 |  |
| 40,150 | 40,200 | 6,1 |  | 6,1 |  |
| 40,200 | 40,2 | 6,1 | 5,1 | 6,1 | 26 |
| 40,250 | 40,300 | 6,194 | 5,191 | 6,19 |  |
| 40,300 | 40,350 | 6,206 | 5,199 | 6,20 | 441 |
| 40,350 | 40,400 | 6,2 | 5,20 | 6,2 |  |
| 40,400 | 40,450 | 6,231 | 5,21 | 6,2 | 5,456 |
| 40,450 | 40,500 | 6,244 | 5,221 | 6,244 | ,464 |
| 40,500 | 40,550 | 6,256 | 5,229 | 6,25 | ,471 |
| 40,550 | 40,600 | 6,269 | ,23 | 6,26 | 79 |
| 40,600 | 40,650 | 6,281 | 5,2 | 6,281 | 5,486 |
| 40,650 | 40,700 | 6,294 | 5,251 | 6,294 | 5,494 |
| 40,700 | 40,750 | 6,306 | 5,259 | 6,306 | ,501 |
| 40,750 | 40,800 | 6,319 | 5,266 | 6,319 | 509 |
| 40,800 | 40,850 | 6,331 | 5,274 | 6,331 | ,516 |
| 40,850 | 40,900 | 6,344 | 5,281 | 6,344 | ,524 |
| 40,900 | 40,950 | 6,356 | 5,289 | 6,356 | 5,531 |
| 40,950 | 41,000 | 6,369 | 5,296 | 6,369 |  |


| If line (taxabl income | is - | And you are- |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| At least | $\begin{aligned} & \text { But } \\ & \text { less } \\ & \text { than } \end{aligned}$ | Single | Married filing jointly Your ta | Married <br> tiling <br> sepa- <br> rately <br> $x$ is- | Head of a household |
| 41,000 |  |  |  |  |  |
| 41,000 | 41,050 | 6,381 | 5,304 | 6,381 | 5,546 |
| 41,050 | 41,100 | 6,394 | 5,311 | 6,394 | 5,554 |
| 41,100 | 41,150 | 6,406 | 5,319 | 6,406 | 5,561 |
| 41,150 | 41,200 | 6,419 | 5,326 | 6,419 | 5,569 |
| 41,200 | 41,250 | 6,431 | 5,334 | 6,431 | 5,576 |
| 41,250 | 41,300 | 6,444 | 5,341 | 6,444 | 5,584 |
| 41,300 | 41,350 | 6,456 | 5,349 | 6,456 | 5,591 |
| 41,350 | 41,400 | 6,469 | 5,356 | 6,469 | 5,599 |
| 41,400 | 41,450 | 6,481 | 5,364 | 6,481 | 5,606 |
| 41,450 | 41,500 | 6,494 | 5,371 | 6,494 | 5,614 |
| 41,500 | 41,550 | 6,506 | 5,379 | 6,506 | 5,621 |
| 41,550 | 41,600 | 6,519 | 5,386 | 6,519 | 5,629 |
| 41,600 | 41,650 | 6,531 | 5,394 | 6,531 | 5,636 |
| 41,650 | 41,700 | 6,544 | 5,401 | 6,544 | 5,644 |
| 41,700 | 41,750 | 6,556 | 5,409 | 6,556 | 5,651 |
| 41,750 | 41,800 | 6,569 | 5,416 | 6,569 | 5,659 |
| 41,800 | 41,850 | 6,581 | 5,424 | 6,581 | 5,666 |
| 41,850 | 41,900 | 6,594 | 5,431 | 6,594 | 5,674 |
| 41,900 | 41,950 | 6,606 | 5,439 | 6,606 | 5,681 |
| 41,950 | 42,000 | 6,619 | 5,446 | 6,619 | 5,689 |
| 42,000 |  |  |  |  |  |
| 42,000 | 42,050 | 6,631 | 5,454 | 6,631 | 5,696 |
| 42,050 | 42,100 | 6,644 | 5,461 | 6,644 | 5,704 |
| 42,100 | 42,150 | 6,656 | 5,469 | 6,656 | 5,711 |
| 42,150 | 42,200 | 6,669 | 5,476 | 6,669 | 5,719 |
| 42,200 | 42,250 | 6,681 | 5,484 | 6,681 | 5,726 |
| 42,250 | 42,300 | 6,694 | 5,491 | 6,694 | 5,734 |
| 42,300 | 42,350 | 6,706 | 5,499 | 6,706 | 5,741 |
| 42,350 | 42,400 | 6,719 | 5,506 | 6,719 | 5,749 |
| 42,400 | 42,450 | 6,731 | 5,514 | 6,731 | 5,756 |
| 42,450 | 42,500 | 6,744 | 5,521 | 6,744 | 5,764 |
| 42,500 | 42,550 | 6,756 | 5,529 | 6,756 | 5,771 |
| 42,550 | 42,600 | 6,769 | 5,536 | 6,769 | 5,779 |
| 42,600 | 42,650 | 6,781 | 5,544 | 6,781 | 5,786 |
| 42,650 | 42,700 | 6,794 | 5,551 | 6,794 | 5,794 |
| 42,700 | 42,750 | 6,806 | 5,559 | 6,806 | 5,801 |
| 42,750 | 42,800 | 6,819 | 5,566 | 6,819 | 5,809 |
| 42,800 | 42,850 | 6,831 | 5,574 | 6,831 | 5,816 |
| 42,850 | 42,900 | 6,844 | 5,581 | 6,844 | 5,824 |
| 42,900 | 42,950 | 6,856 | 5,589 | 6,856 | 5,831 |
| 42,950 | 43,000 | 6,869 | 5,596 | 6,869 | 5,839 |
| 43,000 |  |  |  |  |  |
| 43,000 | 43,050 | 6,881 | 5,604 | 6,881 | 5,846 |
| 43,050 | 43,100 | 6,894 | 5,611 | 6,894 | 5,854 |
| 43,100 | 43,150 | 6,906 | 5,619 | 6,906 | 5,861 |
| 43,150 | 43,200 | 6,919 | 5,626 | 6,919 | 5,869 |
| 43,200 | 43,250 | 6,931 | 5,634 | 6,931 | 5,876 |
| 43,250 | 43,300 | 6,944 | 5,641 | 6,944 | 5,884 |
| 43,300 | 43,350 | 6,956 | 5,649 | 6,956 | 5,891 |
| 43,350 | 43,400 | 6,969 | 5,656 | 6,969 | 5,899 |
| 43,400 | 43,450 | 6,981 | 5,664 | 6,981 | 5,906 |
| 43,450 | 43,500 | 6,994 | 5,671 | 6,994 | 5,914 |
| 43,500 | 43,550 | 7,006 | 5,679 | 7,006 | 5,921 |
| 43,550 | 43,600 | 7,019 | 5,686 | 7,019 | 5,929 |
| 43,600 | 43,650 | 7,031 | 5,694 | 7,031 | 5,936 |
| 43,650 | 43,700 | 7,044 | 5,701 | 7,044 | 5,944 |
| 43,700 | 43,750 | 7,056 | 5,709 | 7,056 | 5,951 |
| 43,750 | 43,800 | 7,069 | 5,716 | 7,069 | 5,959 |
| 43,800 | 43,850 | 7,081 | 5,724 | 7,081 | 5,966 |
| 43,850 | 43,900 | 7,094 | 5,731 | 7,094 | 5,974 |
| 43,900 | 43,950 | 7,106 | 5,739 | 7,106 | 5,981 |
| 43,950 | 44,000 | 7,119 | 5,746 | 7,119 | 5,989 |


| If line 4 (taxable income | is - | And you are- |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| At least | But less than | Single | Married filing jointly Your ta | Married <br> filing <br> sepa- <br> rately <br> $x$ is- | Head of a household |
| 44,000 |  |  |  |  |  |
| 44,000 | 44,050 | 7,131 | 5,754 | 7,131 | 5,996 |
| 44,050 | 44,100 | 7,144 | 5,761 | 7,144 | 6,004 |
| 44,100 | 44,150 | 7,156 | 5,769 | 7,156 | 6,011 |
| 44,150 | 44,200 | 7,169 | 5,776 | 7,169 | 6,019 |
| 44,200 | 44,250 | 7,181 | 5,784 | 7,181 | 6,026 |
| 44,250 | 44,300 | 7,194 | 5,791 | 7,194 | 6,034 |
| 44,300 | 44,350 | 7,206 | 5,799 | 7,206 | 6,041 |
| 44,350 | 44,400 | 7,219 | 5,806 | 7,219 | 6,049 |
| 44,400 | 44,450 | 7,231 | 5,814 | 7,231 | 6,056 |
| 44,450 | 44,500 | 7,244 | 5,821 | 7,244 | 6,064 |
| 44,500 | 44,550 | 7,256 | 5,829 | 7,256 | 6,071 |
| 44,550 | 44,600 | 7,269 | 5,836 | 7,269 | 6,079 |
| 44,600 | 44,650 | 7,281 | 5,844 | 7,281 | 6,086 |
| 44,650 | 44,700 | 7,294 | 5,851 | 7,294 | 6,094 |
| 44,700 | 44,750 | 7,306 | 5,859 | 7,306 | 6,101 |
| 44,750 | 44,800 | 7,319 | 5,866 | 7,319 | 6,109 |
| 44,800 | 44,850 | 7,331 | 5,874 | 7,331 | 6,116 |
| 44,850 | 44,900 | 7,344 | 5,881 | 7,344 | 6,124 |
| 44,900 | 44,950 | 7,356 | 5,889 | 7,356 | 6,131 |
| 44,950 | 45,000 | 7,369 | 5,896 | 7,369 | 6,139 |
| 45,000 |  |  |  |  |  |
| 45,000 | 45,050 | 7,381 | 5,904 | 7,381 | 6,146 |
| 45,050 | 45,100 | 7,394 | 5,911 | 7,394 | 6,154 |
| 45,100 | 45,150 | 7,406 | 5,919 | 7,406 | 6,161 |
| 45,150 | 45,200 | 7,419 | 5,926 | 7,419 | 6,169 |
| 45,200 | 45,250 | 7,431 | 5,934 | 7,431 | 6,176 |
| 45,250 | 45,300 | 7,444 | 5,941 | 7,444 | 6,184 |
| 45,300 | 45,350 | 7,456 | 5,949 | 7,456 | 6,191 |
| 45,350 | 45,400 | 7,469 | 5,956 | 7,469 | 6,199 |
| 45,400 | 45,450 | 7,481 | 5,964 | 7,481 | 6,206 |
| 45,450 | 45,500 | 7,494 | 5,971 | 7,494 | 6,214 |
| 45,500 | 45,550 | 7,506 | 5,979 | 7,506 | 6,221 |
| 45,550 | 45,600 | 7,519 | 5,986 | 7,519 | 6,229 |
| 45,600 | 45,650 | 7,531 | 5,994 | 7,531 | 6,236 |
| 45,650 | 45,700 | 7,544 | 6,001 | 7,544 | 6,244 |
| 45,700 | 45,750 | 7,556 | 6,009 | 7,556 | 6,251 |
| 45,750 | 45,800 | 7,569 | 6,016 | 7,569 | 6,259 |
| 45,800 | 45,850 | 7,581 | 6,024 | 7,581 | 6,266 |
| 45,850 | 45,900 | 7,594 | 6,031 | 7,594 | 6,274 |
| 45,900 | 45,950 | 7,606 | 6,039 | 7,606 | 6,281 |
| 45,950 | 46,000 | 7,619 | 6,046 | 7,619 | 6,289 |
| 46,000 |  |  |  |  |  |
| 46,000 | 46,050 | 7,631 | 6,054 | 7,631 | 6,296 |
| 46,050 | 46,100 | 7,644 | 6,061 | 7,644 | 6,304 |
| 46,100 | 46,150 | 7,656 | 6,069 | 7,656 | 6,311 |
| 46,150 | 46,200 | 7,669 | 6,076 | 7,669 | 6,319 |
| 46,200 | 46,250 | 7,681 | 6,084 | 7,681 | 6,326 |
| 46,250 | 46,300 | 7,694 | 6,091 | 7,694 | 6,336 |
| 46,300 | 46,350 | 7,706 | 6,099 | 7,706 | 6,349 |
| 46,350 | 46,400 | 7,719 | 6,106 | 7,719 | 6,361 |
| 46,400 | 46,450 | 7,731 | 6,114 | 7,731 | 6,374 |
| 46,450 | 46,500 | 7,744 | 6,121 | 7,744 | 6,386 |
| 46,500 | 46,550 | 7,756 | 6,129 | 7,756 | 6,399 |
| 46,550 | 46,600 | 7,769 | 6,136 | 7,769 | 6,411 |
| 46,600 | 46,650 | 7,781 | 6,144 | 7,781 | 6,424 |
| 46,650 | 46,700 | 7,794 | 6,151 | 7,794 | 6,436 |
| 46,700 | 46,750 | 7,806 | 6,159 | 7,806 | 6,449 |
| 46,750 | 46,800 | 7,819 | 6,166 | 7,819 | 6,461 |
| 46,800 | 46,850 | 7,831 | 6,174 | 7,831 | 6,474 |
| 46,850 | 46,900 | 7,844 | 6,181 | 7,844 | 6,486 |
| 46,900 | 46,950 | 7,856 | 6,189 | 7,856 | 6,499 |
| 46,950 | 47,000 | 7,869 | 6,196 | 7,869 | 6,511 |

46,000

| If line 43 (taxable income) is - | And you are- |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  At  <br> least  <br>   <br>  Buss <br> less  <br>   | Single | Married <br> filing <br> jointly <br> Your ta | Married <br> tiling <br> sepa- <br> rately <br> $x$ is - | Head of a house- hold |
| 47,000 |  |  |  |  |
| 47,000 47,050 | 7,881 | 6,204 | 7,881 | 6,524 |
| 47,050 47,100 | 7,894 | 6,211 | 7,894 | 6,536 |
| 47,100 47,150 | 7,906 | 6,219 | 7,906 | 6,549 |
| 47,150 47,200 | 7,919 | 6,226 | 7,919 | 6,561 |
| 47,200 47,250 | 7,931 | 6,234 | 7,931 | 6,574 |
| 47,250 47,300 | 7,944 | 6,241 | 7,944 | 6,586 |
| 47,300 47,350 | 7,956 | 6,249 | 7,956 | 6,599 |
| 47,350 47,400 | 7,969 | 6,256 | 7,969 | 6,611 |
| 47,400 47,450 | 7,981 | 6,264 | 7,981 | 6,624 |
| 47,450 47,500 | 7,994 | 6,271 | 7,994 | 6,636 |
| 47,500 47,550 | 8,006 | 6,279 | 8,006 | 6,649 |
| 47,550 47,600 | 8,019 | 6,286 | 8,019 | 6,661 |
| 47,600 47,650 | 8,031 | 6,294 | 8,031 | 6,674 |
| 47,650 47,700 | 8,044 | 6,301 | 8,044 | 6,686 |
| 47,700 47,750 | 8,056 | 6,309 | 8,056 | 6,699 |
| 47,750 47,800 | 8,069 | 6,316 | 8,069 | 6,711 |
| 47,800 47,850 | 8,081 | 6,324 | 8,081 | 6,724 |
| 47,850 47,900 | 8,094 | 6,331 | 8,094 | 6,736 |
| 47,900 47,950 | 8,106 | 6,339 | 8,106 | 6,749 |
| 47,950 48,000 | 8,119 | 6,346 | 8,119 | 6,761 |

## 48,000

| 48,000 | 48,050 | 8,131 | 6,354 | 8,131 | 6,774 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 48,050 | 48,100 | 8,144 | 6,361 | 8,144 | 6,786 |
| 48,100 | 48,150 | 8,156 | 6,369 | 8,156 | 6,799 |
| 48,150 | 48,200 | 8,169 | 6,376 | 8,169 | 6,811 |
| 48,200 | 48,250 | 8,181 | 6,384 | 8,181 | 6,824 |
| 48,250 | 48,300 | 8,194 | 6,391 | 8,194 | 6,836 |
| 48,300 | 48,350 | 8,206 | 6,399 | 8,206 | 6,849 |
| 48,350 | 48,400 | 8,219 | 6,406 | 8,219 | 6,861 |
| 48,400 | 48,450 | 8,231 | 6,414 | 8,231 | 6,874 |
| 48,450 | 48,500 | 8,244 | 6,421 | 8,244 | 6,886 |
| 48,500 | 48,550 | 8,256 | 6,429 | 8,256 | 6,899 |
| 48,550 | 48,600 | 8,269 | 6,436 | 8,269 | 6,911 |
| 48,600 | 48,650 | 8,281 | 6,444 | 8,281 | 6,924 |
| 48,650 | 48,700 | 8,294 | 6,451 | 8,294 | 6,936 |
| 48,700 | 48,750 | 8,306 | 6,459 | 8,306 | 6,949 |
| 48,750 | 48,800 | 8,319 | 6,466 | 8,319 | 6,961 |
| 48,800 | 48,850 | 8,331 | 6,474 | 8,331 | 6,974 |
| 48,850 | 48,900 | 8,344 | 6,481 | 8,344 | 6,986 |
| 48,900 | 48,950 | 8,356 | 6,489 | 8,356 | 6,999 |
| 48,950 | 49,000 | 8,369 | 6,496 | 8,369 | 7,011 |

## 49,000

| 49,000 | 49,050 | 8,381 | 6,504 | 8,381 | 7,024 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 49,050 | 49,100 | 8,394 | 6,511 | 8,394 | 7,036 |
| 49,100 | 49,150 | 8,406 | 6,519 | 8,406 | 7,049 |
| 49,150 | 49,200 | 8,419 | 6,526 | 8,419 | 7,061 |
| 49,200 | 49,250 | 8,431 | 6,534 | 8,431 | 7,074 |
| 49,250 | 49,300 | 8,444 | 6,541 | 8,444 | 7,086 |
| 49,300 | 49,350 | 8,456 | 6,549 | 8,456 | 7,099 |
| 49,350 | 49,400 | 8,469 | 6,556 | 8,469 | 7,111 |
| 49,400 | 49,450 | 8,481 | 6,564 | 8,481 | 7,124 |
| 49,450 | 49,500 | 8,494 | 6,571 | 8,494 | 7,136 |
| 49,500 | 49,550 | 8,506 | 6,579 | 8,506 | 7,149 |
| 49,550 | 49,600 | 8,519 | 6,586 | 8,519 | 7,161 |
| 49,600 | 49,650 | 8,531 | 6,594 | 8,531 | 7,174 |
| 49,650 | 49,700 | 8,544 | 6,601 | 8,544 | 7,186 |
| 49,700 | 49,750 | 8,556 | 6,609 | 8,556 | 7,199 |
| 49,750 | 49,800 | 8,569 | 6,616 | 8,569 | 7,211 |
| 49,800 | 49,850 | 8,581 | 6,624 | 8,581 | 7,224 |
| 49,850 | 49,900 | 8,594 | 6,631 | 8,594 | 7,236 |
| 49,900 | 49,950 | 8,606 | 6,639 | 8,606 | 7,249 |
| 49,950 | 50,000 | 8,619 | 6,646 | 8,619 | 7,261 |

2011 Tax Table-Continued

| If line 43 (taxable income) is - | And you are- |  |  |
| :---: | :---: | :---: | :---: |
| At But <br> least less <br>  than | Single | Married Married <br> filinn <br> jointly <br> filing <br> sepa- <br> seately <br> Your tax is- | Head of a household |


| 53,000 | 53 | 9, | 7,104 | 9,381 | 8, |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 53,100 | 9,394 |  | 9,394 |  |
| 53,100 | 53,150 | 9,406 | 7,119 | 9,406 | 8,049 |
| 53,150 | 53,200 | 9,419 | 7,126 | 9,419 | 8,061 |
| 53,200 | 53,250 | 9,431 | 7,134 | 9,431 | 8,074 |
| 53,250 | 53,300 | 9,444 | 7,141 | 9,444 | 8,086 |
| 53,300 | 53,350 | 9,456 | 7,149 | 9,456 | 8,099 |
| 53,350 | 53,400 | 9,469 | 7,156 | 9,469 | 8,111 |
| 53,400 | 53,450 | 9,481 | 7,164 | 9,481 | 8,124 |
| 53,450 | 53,500 | 9,494 | 7,171 | 9,494 | 8,136 |
| 53,500 | 53,550 | 9,506 | 7,179 | 9,506 | 8,149 |
| 53,550 | 53,600 | 9,519 | 7,186 | 9,519 | 8,161 |
| 53,600 | 53,650 | 9,531 | 7,194 | 9,531 | 8,174 |
| 53,650 | 53,700 | 9,544 | 7,201 | 9,544 | 8,186 |
| 53,700 | 53,750 | 9,556 | 7,209 | 9,556 | 8,199 |
| 53,750 | 53,800 | 9,569 | 7,216 | 9,569 | 8,211 |
| 53,800 | 53,850 | 9,581 | 7,224 | 9,581 | 8,224 |
| 53,850 | 53,900 | 9,594 | 7,231 | 9,594 | 8,236 |
| 53,900 | 53,950 | 9,606 | 7,239 | 9,606 | 8,249 |
| 53,950 | 54,000 | 9,619 | 7,246 | 9,619 | 8,261 |

## 51,000

| $\mathbf{5 1 , 0 0 0}$ | $\mathbf{5 1 , 0 5 0}$ | 8,881 | 6,804 | 8,881 | 7,524 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 51,050 | 51,100 | 8,894 | 6,811 | 8,894 | 7,536 |
| $\mathbf{5 1 , 1 0 0}$ | 51,150 | 8,906 | 6,819 | 8,906 | 7,549 |
| $\mathbf{5 1 , 1 5 0}$ | 51,200 | 8,919 | 6,826 | 8,919 | 7,561 |
| $\mathbf{5 1 , 2 0 0}$ | 51,250 | 8,931 | 6,834 | 8,931 | 7,574 |
| $\mathbf{5 1 , 2 5 0}$ | 51,300 | 8,944 | 6,841 | 8,944 | 7,586 |
| $\mathbf{5 1 , 3 0 0}$ | 51,350 | 8,956 | 6,849 | 8,956 | 7,599 |
| $\mathbf{5 1 , 3 5 0}$ | 51,400 | 8,969 | 6,856 | 8,969 | 7,611 |
| $\mathbf{5 1 , 4 0 0}$ | 51,450 | 8,981 | 6,864 | 8,981 | 7,624 |
| $\mathbf{5 1 , 4 5 0}$ | 51,500 | 8,994 | 6,871 | 8,994 | 7,636 |
| $\mathbf{5 1 , 5 0 0}$ | 51,550 | 9,006 | 6,879 | 9,006 | 7,649 |
| $\mathbf{5 1 , 5 5 0}$ | 51,600 | 9,019 | 6,886 | 9,019 | 7,661 |
| 51,600 | 51,650 | 9,031 | 6,894 | 9,031 | 7,674 |
| $\mathbf{5 1 , 6 5 0}$ | 51,700 | 9,044 | 6,901 | 9,044 | 7,686 |
| $\mathbf{5 1 , 7 0 0}$ | 51,750 | 9,056 | 6,909 | 9,056 | 7,699 |
| $\mathbf{5 1 , 7 5 0}$ | 51,800 | 9,069 | 6,916 | 9,069 | 7,711 |
| $\mathbf{5 1 , 8 0 0}$ | 51,850 | 9,081 | 6,924 | 9,081 | 7,724 |
| $\mathbf{5 1 , 8 5 0}$ | 51,900 | 9,094 | 6,931 | 9,094 | 7,736 |
| $\mathbf{5 1 , 9 0 0}$ | 51,950 | 9,106 | 6,939 | 9,106 | 7,749 |
| $\mathbf{5 1 , 9 5 0}$ | $\mathbf{5 2 , 0 0 0}$ | 9,119 | 6,946 | 9,119 | 7,761 |

52,000

| 52 | 52,050 | 9, | 6, | 9,131 |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 52,050 | 52,100 | 9,144 |  |  |  |
| 52,100 | 52,150 | 9,156 | 6,969 | 9,156 |  |
| 52,150 | 52,200 | 9,169 | 6,976 | 9,169 | 7,8 |
| 20 | 52,250 | 9,181 | 6,984 | 9,181 | 7,824 |
| 52,250 | 52,300 | 9,194 | 6,991 | 9,194 |  |
| 52,300 | 52,350 | 9,206 | 6,999 | 9,206 |  |
| 52,350 | 52,400 | 9,219 | 7,006 | 9,219 | 7,86 |
| 52,400 | 52,450 | 9,231 | 7,014 | 9,231 | 7,874 |
| 52,450 | 52,500 | 9,244 | 7,021 | 9,244 |  |
| 52,500 | 52,550 |  | 7,029 |  |  |
| 52,550 | 52,600 | 9,2 | 7,036 | 9,269 | 7,911 |
| 52,600 | 52,65 | 9, | 7,0 | 9,281 | 7,924 |
|  | 52,700 | 9,294 | 7,051 |  |  |
| 52,700 | 52,750 | 9,306 | 7,059 | 9,306 |  |
| 52,750 | 52,800 | 9,319 | 7,066 | 9,319 | 7,961 |
|  | 52,850 | 9,331 | 7,074 | 9,331 | 7,974 |
| 52,850 | 52,900 | 9,344 | 7,081 | 9,344 | 7,986 |
| 52,900 | 52,950 | 9,356 | 7,089 | 9,356 | 7,999 |
| 52,950 | 53,000 | 9,369 | 7,096 | 9,369 | 8,011 |



| 56,000 | 56,050 | 10,131 | 7,554 | 10,131 | 8,774 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 56,050 | 56,100 | 10,144 | 7,561 | 10,144 | 8,786 |
| 56,100 | 56,150 | 10,156 | 7,569 | 10,156 | 8,799 |
| 56,150 | 56,200 | 10,169 | 7,576 | 10,169 | 8,811 |
| 56,200 | 56,250 | 10,181 | 7,584 | 10,181 | 8,824 |
| 56,250 | 56,300 | 10,194 | 7,591 | 10,194 | 8,836 |
| 56,300 | 56,350 | 10,206 | 7,599 | 10,206 | 8,849 |
| 56,350 | 56,400 | 10,219 | 7,606 | 10,219 | 8,861 |
| 56,400 | 56,450 | 10,231 | 7,614 | 10,231 | 8,874 |
| 56,450 | 56,500 | 10,244 | 7,621 | 10,244 | 8,886 |
| 56,500 | 56,550 | 10,256 | 7,629 | 10,256 | 8,899 |
| 56,550 | 56,600 | 10,269 | 7,636 | 10,269 | 8,911 |
| 56,600 | 56,650 | 10,281 | 7,644 | 10,281 | 8,924 |
| 56,650 | 56,700 | 10,294 | 7,651 | 10,294 | 8,936 |
| 56,700 | 56,750 | 10,306 | 7,659 | 10,306 | 8,949 |
| 56,750 | 56,800 | 10,319 | 7,666 | 10,319 | 8,961 |
| 56,800 | 56,850 | 10,331 | 7,674 | 10,331 | 8,974 |
| 56,850 | 56,900 | 10,344 | 7,681 | 10,344 | 8,986 |
| 56,900 | 56,950 | 10,356 | 7,689 | 10,356 | 8,999 |
| 56,950 | 57,000 | 10,369 | 7,696 | 10,369 | 9,011 |



| $\mathbf{5 8 , 0 0 0}$ | $\mathbf{5 8 , 0 5 0}$ | 10,631 | 7,854 | 10,631 | 9,274 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| $\mathbf{5 8 , 0 5 0}$ | $\mathbf{5 8 , 1 0 0}$ | 10,644 | $\mathbf{7}, 861$ | 10,644 | 9,286 |
| $\mathbf{5 8 , 1 0 0}$ | $\mathbf{5 8 , 1 5 0}$ | 10,656 | $\mathbf{7 , 8 6 9}$ | 10,656 | 9,299 |
| $\mathbf{5 8 , 1 5 0}$ | $\mathbf{5 8 , 2 0 0}$ | 10,669 | $\mathbf{7 , 8 7 6}$ | 10,669 | 9,311 |
| $\mathbf{5 8 , 2 0 0}$ | $\mathbf{5 8 , 2 5 0}$ | 10,681 | 7,884 | 10,681 | 9,324 |
| $\mathbf{5 8 , 2 5 0}$ | $\mathbf{5 8 , 3 0 0}$ | 10,694 | $\mathbf{7 , 8 9 1}$ | 10,694 | 9,336 |
| $\mathbf{5 8 , 3 0 0}$ | $\mathbf{5 8 , 3 5 0}$ | 10,706 | $\mathbf{7 , 8 9 9}$ | 10,706 | 9,349 |
| $\mathbf{5 8 , 3 5 0}$ | $\mathbf{5 8 , 4 0 0}$ | 10,719 | $\mathbf{7 , 9 0 6}$ | 10,719 | 9,361 |
| $\mathbf{5 8 , 4 0 0}$ | $\mathbf{5 8 , 4 5 0}$ | 10,731 | $\mathbf{7 , 9 1 4}$ | 10,731 | 9,374 |
| $\mathbf{5 8 , 4 5 0}$ | $\mathbf{5 8 , 5 0 0}$ | 10,744 | $\mathbf{7 , 9 2 1}$ | 10,744 | 9,386 |
| $\mathbf{5 8 , 5 0 0}$ | $\mathbf{5 8 , 5 5 0}$ | 10,756 | $\mathbf{7 , 9 2 9}$ | 10,756 | 9,399 |
| $\mathbf{5 8 , 5 5 0}$ | $\mathbf{5 8 , 6 0 0}$ | 10,769 | $\mathbf{7 , 9 3 6}$ | 10,769 | 9,411 |
| $\mathbf{5 8 , 6 0 0}$ | $\mathbf{5 8 , 6 5 0}$ | 10,781 | $\mathbf{7 , 9 4 4}$ | 10,781 | 9,424 |
| $\mathbf{5 8 , 6 5 0}$ | $\mathbf{5 8 , 7 0 0}$ | 10,794 | $\mathbf{7 , 9 5 1}$ | 10,794 | 9,436 |
| $\mathbf{5 8 , 7 0 0}$ | $\mathbf{5 8 , 7 5 0}$ | 10,806 | $\mathbf{7 , 9 5 9}$ | 10,806 | 9,449 |
| $\mathbf{5 8 , 7 5 0}$ | $\mathbf{5 8 , 8 0 0}$ | 10,819 | $\mathbf{7 , 9 6 6}$ | 10,819 | 9,461 |
| $\mathbf{5 8 , 8 0 0}$ | $\mathbf{5 8 , 8 5 0}$ | 10,831 | 7,974 | 10,831 | 9,474 |
| $\mathbf{5 8 , 8 5 0}$ | $\mathbf{5 8 , 9 0 0}$ | 10,844 | $\mathbf{7 , 9 8 1}$ | 10,844 | 9,486 |
| $\mathbf{5 8 , 9 0 0}$ | $\mathbf{5 8 , 9 5 0}$ | 10,856 | $\mathbf{7 , 9 8 9}$ | 10,856 | 9,499 |
| $\mathbf{5 8 , 9 5 0}$ | $\mathbf{5 9 , 0 0 0}$ | 10,869 | $\mathbf{7 , 9 9 6}$ | 10,869 | 9,511 |

2011 Tax Table-Continued

| If line 43 income) | s- | And you are- |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| At least | But less than | Single | Married filing jointly Your ta | Married <br> tiling <br> sepa- <br> rately <br> ax | Head of a household |
| 59,000 |  |  |  |  |  |
| 59,000 | 59,050 | 10,881 | 8,004 | 10,881 | 9,524 |
| 59,050 | 59,100 | 10,894 | 8,011 | 10,894 | 9,536 |
| 59,100 | 59,150 | 10,906 | 8,019 | 10,906 | 9,549 |
| 59,150 | 59,200 | 10,919 | 8,026 | 10,919 | 9,561 |
| 59,200 | 59,250 | 10,931 | 8,034 | 10,931 | 9,574 |
| 59,250 | 59,300 | 10,944 | 8,041 | 10,944 | 9,586 |
| 59,300 | 59,350 | 10,956 | 8,049 | 10,956 | 9,599 |
| 59,350 | 59,400 | 10,969 | 8,056 | 10,969 | 9,611 |
| 59,400 | 59,450 | 10,981 | 8,064 | 10,981 | 9,624 |
| 59,450 | 59,500 | 10,994 | 8,071 | 10,994 | 9,636 |
| 59,500 | 59,550 | 11,006 | 8,079 | 11,006 | 9,649 |
| 59,550 | 59,600 | 11,019 | 8,086 | 11,019 | 9,661 |
| 59,600 | 59,650 | 11,031 | 8,094 | 11,031 | 9,674 |
| 59,650 | 59,700 | 11,044 | 8,101 | 11,044 | 9,686 |
| 59,700 | 59,750 | 11,056 | 8,109 | 11,056 | 9,699 |
| 59,750 | 59,800 | 11,069 | 8,116 | 11,069 | 9,711 |
| 59,800 | 59,850 | 11,081 | 8,124 | 11,081 | 9,724 |
| 59,850 | 59,900 | 11,094 | 8,131 | 11,094 | 9,736 |
| 59,900 | 59,950 | 11,106 | 8,139 | 11,106 | 9,749 |
| 59,950 | 60,000 | 11,119 | 8,146 | 11,119 | 9,761 |


| If line inco | is - | And you are- |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| At least | But less than | Single | Married filing jointly Your ta | Married filing separately $x$ is- | Head of a household |
| 62,000 |  |  |  |  |  |


| If line (taxa incom | is - | And you are- |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| At least | $\begin{aligned} & \text { But } \\ & \text { less } \\ & \text { than } \end{aligned}$ | Single | Married <br> filing <br> jointly <br> Your ta | Married filing separately <br> ax - | Head of a house- |
| 65,000 |  |  |  |  |  |
| 65,000 | 65,050 | 12,381 | 8,904 | 12,381 | 11,024 |
| 65,050 | 65,100 | 12,394 | 8,911 | 12,394 | 11,036 |
| 65,100 | 65,150 | 12,406 | 8,919 | 12,406 | 11,049 |
| 65,150 | 65,200 | 12,419 | 8,926 | 12,419 | 11,061 |
| 65,200 | 65,250 | 12,431 | 8,934 | 12,431 | 11,074 |
| 65,250 | 65,300 | 12,444 | 8,941 | 12,444 | 11,086 |
| 65,300 | 65,350 | 12,456 | 8,949 | 12,456 | 11,099 |
| 65,350 | 65,400 | 12,469 | 8,956 | 12,469 | 11,111 |
| 65,400 | 65,450 | 12,481 | 8,964 | 12,481 | 11,124 |
| 65,450 | 65,500 | 12,494 | 8,971 | 12,494 | 11,136 |
| 65,500 | 65,550 | 12,506 | 8,979 | 12,506 | 11,149 |
| 65,550 | 65,600 | 12,519 | 8,986 | 12,519 | 11,161 |
| 65,600 | 65,650 | 12,531 | 8,994 | 12,531 | 11,174 |
| 65,650 | 65,700 | 12,544 | 9,001 | 12,544 | 11,186 |
| 65,700 | 65,750 | 12,556 | 9,009 | 12,556 | 11,199 |
| 65,750 | 65,800 | 12,569 | 9,016 | 12,569 | 11,211 |
| 65,800 | 65,850 | 12,581 | 9,024 | 12,581 | 11,224 |
| 65,850 | 65,900 | 12,594 | 9,031 | 12,594 | 11,236 |
| 65,900 | 65,950 | 12,606 | 9,039 | 12,606 | 11,249 |
| 65,950 | 66,000 | 12,619 | 9,046 | 12,619 | 11,261 |
| 66,000 |  |  |  |  |  |
| 66,000 | 66,050 | 12,631 | 9,054 | 12,631 | 11,274 |
| 66,050 | 66,100 | 12,644 | 9,061 | 12,644 | 11,286 |
| 66,100 | 66,150 | 12,656 | 9,069 | 12,656 | 11,299 |
| 66,150 | 66,200 | 12,669 | 9,076 | 12,669 | 11,311 |
| 66,200 | 66,250 | 12,681 | 9,084 | 12,681 | 11,324 |
| 66,250 | 66,300 | 12,694 | 9,091 | 12,694 | 11,336 |
| 66,300 | 66,350 | 12,706 | 9,099 | 12,706 | 11,349 |
| 66,350 | 66,400 | 12,719 | 9,106 | 12,719 | 11,361 |
| 66,400 | 66,450 | 12,731 | 9,114 | 12,731 | 11,374 |
| 66,450 | 66,500 | 12,744 | 9,121 | 12,744 | 11,386 |
| 66,500 | 66,550 | 12,756 | 9,129 | 12,756 | 11,399 |
| 66,550 | 66,600 | 12,769 | 9,136 | 12,769 | 11,411 |
| 66,600 | 66,650 | 12,781 | 9,144 | 12,781 | 11,424 |
| 66,650 | 66,700 | 12,794 | 9,151 | 12,794 | 11,436 |
| 66,700 | 66,750 | 12,806 | 9,159 | 12,806 | 11,449 |
| 66,750 | 66,800 | 12,819 | 9,166 | 12,819 | 11,461 |
| 66,800 | 66,850 | 12,831 | 9,174 | 12,831 | 11,474 |
| 66,850 | 66,900 | 12,844 | 9,181 | 12,844 | 11,486 |
| 66,900 | 66,950 | 12,856 | 9,189 | 12,856 | 11,499 |
| 66,950 | 67,000 | 12,869 | 9,196 | 12,869 | 11,511 |
| 67,000 |  |  |  |  |  |
| 67,000 | 67,050 | 12,881 | 9,204 | 12,881 | 11,524 |
| 67,050 | 67,100 | 12,894 | 9,211 | 12,894 | 11,536 |
| 67,100 | 67,150 | 12,906 | 9,219 | 12,906 | 11,549 |
| 67,150 | 67,200 | 12,919 | 9,226 | 12,919 | 11,561 |
| 67,200 | 67,250 | 12,931 | 9,234 | 12,931 | 11,574 |
| 67,250 | 67,300 | 12,944 | 9,241 | 12,944 | 11,586 |
| 67,300 | 67,350 | 12,956 | 9,249 | 12,956 | 11,599 |
| 67,350 | 67,400 | 12,969 | 9,256 | 12,969 | 11,611 |
| 67,400 | 67,450 | 12,981 | 9,264 | 12,981 | 11,624 |
| 67,450 | 67,500 | 12,994 | 9,271 | 12,994 | 11,636 |
| 67,500 | 67,550 | 13,006 | 9,279 | 13,006 | 11,649 |
| 67,550 | 67,600 | 13,019 | 9,286 | 13,019 | 11,661 |
| 67,600 | 67,650 | 13,031 | 9,294 | 13,031 | 11,674 |
| 67,650 | 67,700 | 13,044 | 9,301 | 13,044 | 11,686 |
| 67,700 | 67,750 | 13,056 | 9,309 | 13,056 | 11,699 |
| 67,750 | 67,800 | 13,069 | 9,316 | 13,069 | 11,711 |
| 67,800 | 67,850 | 13,081 | 9,324 | 13,081 | 11,724 |
| 67,850 | 67,900 | 13,094 | 9,331 | 13,094 | 11,736 |
| 67,900 | 67,950 | 13,106 | 9,339 | 13,106 | 11,749 |
| 67,950 | 68,000 | 13,119 | 9,346 | 13,119 | 11,761 |

2011 Tax Table-Continued


| 68,000 | 68,050 | 13,131 | 9,354 | 13,131 | 11,774 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 68,050 | 68,100 | 13,144 | 9,361 | 13,144 | 11,786 |
| 68,100 | 68,150 | 13,156 | 9,369 | 13,156 | 11,799 |
| 68,150 | 68,200 | 13,169 | 9,376 | 13,169 | 11,811 |
| 68,200 | 68,250 | 13,181 | 9,384 | 13,181 | 11,824 |
| 68,250 | 68,300 | 13,194 | 9,391 | 13,194 | 11,836 |
| 68,300 | 68,350 | 13,206 | 9,399 | 13,206 | 11,849 |
| 68,350 | 68,400 | 13,219 | 9,406 | 13,219 | 11,861 |
| 68,400 | 68,450 | 13,231 | 9,414 | 13,231 | 11,874 |
| 68,450 | 68,500 | 13,244 | 9,421 | 13,244 | 11,886 |
| 68,500 | 68,550 | 13,256 | 9,429 | 13,256 | 11,899 |
| 68,550 | 68,600 | 13,269 | 9,436 | 13,269 | 11,911 |
| 68,600 | 68,650 | 13,281 | 9,444 | 13,281 | 11,924 |
| 68,650 | 68,700 | 13,294 | 9,451 | 13,294 | 11,936 |
| 68,700 | 68,750 | 13,306 | 9,459 | 13,306 | 11,949 |
| 68,750 | 68,800 | 13,319 | 9,466 | 13,319 | 11,961 |
| 68,800 | 68,850 | 13,331 | 9,474 | 13,331 | 11,974 |
| 68,850 | 68,900 | 13,344 | 9,481 | 13,344 | 11,986 |
| 68,900 | 68,950 | 13,356 | 9,489 | 13,356 | 11,999 |
| 68,950 | 69,000 | 13,369 | 9,496 | 13,369 | 12,011 |

## 69,000

| 69,000 | 69,050 | 13, | 9,506 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 69,050 | 69,100 |  | 9,519 | 13 | 12 |
| 69,100 | 69,150 |  | 9,531 |  |  |
| 69,150 | 69,200 |  | 9,544 |  |  |
| ,200 | 69,250 | 13 | 9,556 | 13,431 | 12 |
| 69,250 | 69,300 |  | 9,569 | 13, |  |
| 69,300 | 69,350 |  | 9,58 |  |  |
| 69 | 69,400 |  |  |  |  |
| 00 | 69, | 13, | 9,60 | 13,481 |  |
| 450 | 69,500 | 13,49 | 9,619 | 13,494 |  |
| 00 | 69,550 | 13,5 | 9,631 | 13,506 |  |
|  | 69,600 |  |  |  |  |
| 69,600 | 69, |  |  |  |  |
| 50 | 69,700 | 13,5 | 9,669 | 13,544 |  |
| 69,700 | 69,750 | 13,55 | 9,681 | 13,558 | 19 |
| 69,750 | 69,800 | 13,56 | 9,694 | 13,57 | 12,21 |
| 00 | 69,850 | 13,581 | 9,706 | 13,586 | 2,22 |
| 9,850 | 69,900 | 13,594 | 9,719 | 13,600 | 12,236 |
| 69,900 | 69,950 | 13,606 | 9,731 | 13,614 | 12,249 |
| 69,950 | 70,000 | 13,619 | 9,744 | 13,628 | 12, |

## 70,000

| 70,000 | 70,050 | 13,631 | 9,756 | 13,642 | 12,274 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 70,050 | 70,100 | 13,644 | 9,769 | 13,656 | 12,286 |
| 70,100 | 70,150 | 13,656 | 9,781 | 13,670 | 12,299 |
| 70,150 | 70,200 | 13,669 | 9,794 | 13,684 | 12,311 |
| 70,200 | 70,250 | 13,681 | 9,806 | 13,698 | 12,324 |
| 70,250 | 70,300 | 13,694 | 9,819 | 13,712 | 12,336 |
| 70,300 | 70,350 | 13,706 | 9,831 | 13,726 | 12,349 |
| 70,350 | 70,400 | 13,719 | 9,844 | 13,740 | 12,361 |
| 70,400 | 70,450 | 13,731 | 9,856 | 13,754 | 12,374 |
| 70,450 | 70,500 | 13,744 | 9,869 | 13,768 | 12,386 |
| 70,500 | 70,550 | 13,756 | 9,881 | 13,782 | 12,399 |
| 70,550 | 70,600 | 13,769 | 9,894 | 13,796 | 12,411 |
| 70,600 | 70,650 | 13,781 | 9,906 | 13,810 | 12,424 |
| 70,650 | 70,700 | 13,794 | 9,919 | 13,824 | 12,436 |
| 70,700 | 70,750 | 13,806 | 9,931 | 13,838 | 12,449 |
| 70,750 | 70,800 | 13,819 | 9,944 | 13,852 | 12,461 |
| 70,800 | 70,850 | 13,831 | 9,956 | 13,866 | 12,474 |
| 70,850 | 70,900 | 13,844 | 9,969 | 13,880 | 12,486 |
| 70,900 | 70,950 | 13,856 | 9,981 | 13,894 | 12,499 |
| 70,950 | 71,000 | 13,869 | 9,994 | 13,908 | 12,511 |


| If line 43 (taxable income) is - | And you are- |  |  |
| :---: | :---: | :---: | :---: |
| At But <br> least <br> less <br> than <br>   | Single | $\|$Married Married <br> filinnt <br> jointly <br> filing <br> sepa- <br> sately <br> Your tax is- | Head of a house- hold |


|  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  | 13,931 | 10,056 |  |  |
| 71,250 |  | 13,944 | 10,069 |  |  |
|  | 71,350 | 13,956 | 10,081 | 14,006 |  |
|  |  | 13,969 |  |  |  |
| 71,400 | 71, | 13,9 |  |  |  |
|  |  | 13,99 |  |  |  |
|  | 71,550 | 14,006 |  |  |  |
| 71,550 |  |  |  |  |  |
| 71,600 | 71,650 |  |  |  |  |
| 71 |  |  |  |  |  |
|  |  |  |  |  |  |
| 71,7 | 71,800 |  | 10 |  |  |
|  |  |  |  |  |  |
|  |  | 14 | 10,219 |  |  |
|  |  | 14,106 | 10,231 |  |  |
|  | 72 |  | 10,244 | 14,188 |  |

## 72,000

| $\mathbf{7 2 , 0 0 0}$ | $\mathbf{7 2 , 0 5 0}$ | 14,131 | 10,256 | 14,202 | 12,774 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| $\mathbf{7 2 , 0 5 0}$ | $\mathbf{7 2 , 1 0 0}$ | 14,144 | 10,269 | 14,216 | 12,786 |
| $\mathbf{7 2 , 1 0 0}$ | $\mathbf{7 2 , 1 5 0}$ | 14,156 | 10,281 | 14,230 | 12,799 |
| $\mathbf{7 2 , 1 5 0}$ | $\mathbf{7 2 , 2 0 0}$ | 14,169 | 10,294 | 14,244 | 12,811 |
| $\mathbf{7 2 , 2 0 0}$ | $\mathbf{7 2 , 2 5 0}$ | 14,181 | 10,306 | 14,258 | 12,824 |
| $\mathbf{7 2 , 2 5 0}$ | $\mathbf{7 2 , 3 0 0}$ | 14,194 | 10,319 | 14,272 | 12,836 |
| $\mathbf{7 2 , 3 0 0}$ | $\mathbf{7 2 , 3 5 0}$ | 14,206 | 10,331 | 14,286 | 12,849 |
| $\mathbf{7 2 , 3 5 0}$ | $\mathbf{7 2 , 4 0 0}$ | 14,219 | 10,344 | 14,300 | 12,861 |
| $\mathbf{7 2 , 4 0 0}$ | $\mathbf{7 2 , 4 5 0}$ | 14,231 | 10,356 | 14,314 | 12,874 |
| $\mathbf{7 2 , 4 5 0}$ | $\mathbf{7 2 , 5 0 0}$ | 14,244 | 10,369 | 14,328 | 12,886 |
| $\mathbf{7 2 , 5 0 0}$ | $\mathbf{7 2 , 5 5 0}$ | 14,256 | 10,381 | 14,342 | 12,899 |
| $\mathbf{7 2 , 5 5 0}$ | $\mathbf{7 2 , 6 0 0}$ | 14,269 | 10,394 | 14,356 | 12,911 |
| $\mathbf{7 2 , 6 0 0}$ | $\mathbf{7 2 , 6 5 0}$ | 14,281 | 10,406 | 14,370 | 12,924 |
| $\mathbf{7 2 , 6 5 0}$ | $\mathbf{7 2 , 7 0 0}$ | 14,294 | 10,419 | 14,384 | 12,936 |
| $\mathbf{7 2 , 7 0 0}$ | $\mathbf{7 2 , 7 5 0}$ | 14,306 | 10,431 | 14,398 | 12,949 |
| $\mathbf{7 2 , 7 5 0}$ | $\mathbf{7 2 , 8 0 0}$ | 14,319 | 10,444 | 14,412 | 12,961 |
| $\mathbf{7 2 , 5 0 0}$ | $\mathbf{7 2 , 8 5 0}$ | 14,331 | 10,456 | 14,426 | 12,974 |
| $\mathbf{7 2 , 3 5 0}$ | $\mathbf{7 2 , 9 0 0}$ | 14,344 | 10,469 | 14,440 | 12,986 |
| $\mathbf{7 2 , 9 0 0}$ | $\mathbf{7 2 , 9 5 0}$ | 14,356 | 10,481 | 14,454 | 12,999 |
| $\mathbf{7 2 , 9 5 0}$ | $\mathbf{7 3 , 0 0 0}$ | 14,369 | 10,494 | 14,468 | 13,011 |
| $\mathbf{7 3}$ | $\mathbf{7 n n}$ |  |  |  |  |

## 73,000



| If line 43 (taxable income) is | And you are- |  |  |
| :---: | :---: | :---: | :---: |
| At But <br> least <br> less <br> than <br>   | Single | Married Married <br> filing <br> joinitly <br> filing <br> sepa- <br> rately  <br> Your tax is- | Head of a household |
| 74,000 |  |  |  |


| 74,000 | 74,050 | 14,631 | 10,756 | 14,762 | 13,274 |
| :--- | :--- | :--- | :--- | :--- | :--- | | 74,000 | 74,050 | 14,631 | 10,756 | 14,762 | 13,274 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 74,050 | 74,100 | 14,644 | 10,769 | 14,776 | 13,286 | $74,100 \quad 74,150 ~ 14,656610,781 \quad 14,790 \quad 13,299$ $\begin{array}{llllll}74,150 & 74,200 & 14,669 & 10,794 & 14,804 & 13,311\end{array}$ | 74,200 | 74,250 | 14,681 | 10,806 | 14,818 | 13,324 |
| :--- | :--- | :--- | :--- | :--- | :--- | | 74,250 | 74,300 | 14,694 | 10,819 | 14,832 | 13,336 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 74,300 | 74,350 | 14,706 | 10,831 | 14,846 | 13,349 | $\begin{array}{llll}14,706 & 10,831 & 14,846 & 13,349 \\ 14,719 & 10,844 & 14,860 & 13,361\end{array}$ $\begin{array}{llll}14,731 & 10,856 & 14,874 & 13,374\end{array}$ $14,74410,86914,888 \quad 13,386$ $\begin{array}{llll}14,756 & 10,881 & 14,902 & 13,399\end{array}$ $\begin{array}{llll}14,769 & 10,894 & 14,916 & 13,411\end{array}$ $\begin{array}{llll}14,781 & 10,906 & 14,930 & 13,424 \\ 14,794 & 10,919 & 14,944 & 13,436\end{array}$ $\begin{array}{llll}14,806 & 10,931 & 14,958 & 13,449\end{array}$ $\begin{array}{llll}14,819 & 10,944 & 14,972 & 13,461\end{array}$ $\begin{array}{llll}14,831 & 10,956 & 14,986 & 13,474 \\ 14,844 & 10,969 & 15,000 & 13,486\end{array}$ $\begin{array}{llll}14,856 & 10,981 & 15,014 & 13,499\end{array}$ $\begin{array}{llll}14,869 & 10,994 & 15,028 & 13,511\end{array}$

## 75,000

|  | - | 1,881 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 75,100 |  |  |  |  |
|  | 75,150 | 14,906 |  |  |  |
| 75,150 | 75,200 | 14, |  |  |  |
| 75,200 | 75,250 | 14,931 | 11,056 |  |  |
| 75,250 | 75,300 | 14,944 | 11,06 |  |  |
| 75,300 | 75,350 | 14,956 | 11,08 |  |  |
| 75, | 75,400 | 14 | 11 | 15,140 |  |
| 75, | 75,450 | 14,981 |  |  |  |
| 75,450 | 75,500 | 14,994 |  |  |  |
|  | 75,550 | 15,006 |  |  |  |
| 75,550 | 75 | 15 | 11 |  |  |
| 75,600 | 75, | 15, | 11, |  |  |
| 75,750 |  | 15,044 | 11,169 |  |  |
| 75,750 | 75,7 | 15,056 | 11,181 |  |  |
| 75,750 | ,000 | 15 | 11 |  |  |
| 00 | 75 | 15 | 11, |  |  |
| 0 | 75,900 | 15,094 | 11,219 | 15,280 |  |
| 75,900 | 75,950 | 15,106 | 11,231 | 15,294 | , |
| ,950 | 76,000 | 15,11 | 11,244 | 15,3 | 13 |

76,000

| $\mathbf{7 6 , 0 0 0}$ | $\mathbf{7 6 , 0 5 0}$ | 15,131 | 11,256 | 15,322 | 13,774 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| $\mathbf{7 6 , 0 5 0}$ | $\mathbf{7 6 , 1 0 0}$ | 15,144 | 11,269 | 15,336 | 13,786 |
| $\mathbf{7 6 , 1 0 0}$ | $\mathbf{7 6 , 1 5 0}$ | 15,156 | 11,281 | 15,350 | 13,799 |
| $\mathbf{7 6 , 1 5 0}$ | $\mathbf{7 6 , 2 0 0}$ | 15,169 | 11,294 | 15,364 | 13,811 |
| $\mathbf{7 6 , 2 0 0}$ | $\mathbf{7 6 , 2 5 0}$ | 15,181 | 11,306 | 15,378 | 13,824 |
| $\mathbf{7 6 , 2 5 0}$ | $\mathbf{7 6 , 3 0 0}$ | 15,194 | 11,319 | 15,392 | 13,836 |
| $\mathbf{7 6 , 3 0 0}$ | $\mathbf{7 6 , 3 5 0}$ | 15,206 | 11,331 | 15,406 | 13,849 |
| $\mathbf{7 6 , 3 5 0}$ | $\mathbf{7 6 , 4 0 0}$ | 15,219 | 11,344 | 15,420 | 13,861 |
| $\mathbf{7 6 , 4 0 0}$ | $\mathbf{7 6 , 4 5 0}$ | 15,231 | 11,356 | 15,434 | 13,874 |
| $\mathbf{7 6 , 4 5 0}$ | $\mathbf{7 6 , 5 0 0}$ | 15,244 | 11,369 | 15,448 | 13,886 |
| $\mathbf{7 6 , 5 0 0}$ | $\mathbf{7 6 , 5 5 0}$ | 15,256 | 11,381 | 15,462 | 13,899 |
| $\mathbf{7 6 , 5 5 0}$ | $\mathbf{7 6 , 6 0 0}$ | 15,269 | 11,394 | 15,476 | 13,911 |
| $\mathbf{7 6 , 6 0 0}$ | $\mathbf{7 6 , 6 5 0}$ | 15,281 | 11,406 | 15,490 | 13,924 |
| $\mathbf{7 6 , 6 5 0}$ | $\mathbf{7 6 , 7 0 0}$ | 15,294 | 11,419 | 15,504 | 13,936 |
| $\mathbf{7 6 , 7 0 0}$ | $\mathbf{7 6 , 7 5 0}$ | 15,306 | 11,431 | 15,518 | 13,949 |
| $\mathbf{7 6 , 7 5 0}$ | $\mathbf{7 6 , 8 0 0}$ | 15,319 | 11,444 | 15,532 | 13,961 |
| $\mathbf{7 6 , 8 0 0}$ | $\mathbf{7 6 , 8 5 0}$ | 15,331 | 11,456 | 15,546 | 13,974 |
| $\mathbf{7 6 , 8 5 0}$ | $\mathbf{7 6 , 9 0 0}$ | 15,344 | 11,469 | 15,560 | 13,986 |
| $\mathbf{7 6 , 9 0 0}$ | $\mathbf{7 6 , 9 5 0}$ | 15,356 | 11,481 | 15,574 | 13,999 |
| $\mathbf{7 6 , 9 5 0}$ | $\mathbf{7 7 , 0 0 0}$ | 15,369 | 11,494 | 15,588 | 14,011 |



2011 Tax Table-Continued

| If line inco | is | And you are- |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| At least | But less than | Single | Married <br> filing <br> jointly <br> Your ta | Married <br> filing <br> sepa- <br> rately <br> as | Head of a household |
| 89,000 |  |  |  |  |  |


| 89,000 | 89,050 | 18,544 | 14,506 | 18,962 | 17,024 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 89,50 | 89,100 | 18,558 | 14,519 | 18,976 | 17,036 |
| 89,100 | 89,150 | 18,572 | 14,531 | 18,990 | 17,049 |
| 89,150 | 89,200 | 18,586 | 14,544 | 19,004 | 17,061 |
| 89,200 | 89,250 | 18,600 | 14,556 | 19,018 | 17,074 |
| 89,250 | 89,300 | 18,614 | 14,569 | 19,032 | 17,086 |
| 89,300 | 89,350 | 18,628 | 14,581 | 19,046 | 17,099 |
| 89,350 | 89,400 | 18,642 | 14,594 | 19,060 | 17,111 |
| 89,400 | 89,450 | 18,656 | 14,606 | 19,074 | 17,124 |
| 89,450 | 89,500 | 18,670 | 14,619 | 19,088 | $17,, 136$ |
| 89,500 | 89,550 | 18,684 | 14,631 | 19,102 | 17,149 |
| 89,550 | 89,600 | 18,698 | 14,644 | 19,116 | 17,161 |
| 89,600 | 89,650 | 18,712 | 14,656 | 19,130 | 17,174 |
| 89,650 | 89,700 | 18,726 | 14,669 | 19,144 | 17,186 |
| 89,700 | 89,750 | 18,740 | 14,681 | 19,158 | 17,199 |
| 89,750 | 89,800 | 18,754 | 14,694 | 19,172 | 17,211 |
| 89,800 | 89,850 | 18,768 | 14,706 | 19,186 | 17,224 |
| 89,850 | 89,900 | 18,782 | 14,719 | 19,200 | 17,236 |
| 89,900 | 89,950 | 18,796 | $14,, 731$ | 19,214 | 17,249 |
| 89,950 | 90,000 | 18,810 | 14,744 | 19,228 | 17,261 |
| 9 |  |  |  |  |  |

## 90,000

| 87,000 | 87,050 | 17, | , |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |
| 7,100 | 87,150 | 18,012 | 14,031 | 18,43 |  |
| ,150 | 87,200 | 18,0 | 14,044 | 18,44 | 16, |
| 87,200 | 87,250 | 18,040 | 14,056 | 18,458 | 16, |
| ,250 | 87,3 | 18,054 | 14,069 | 18,472 |  |
| 87,300 | 87,3 | 18,068 | 14,081 |  |  |
| 87,350 | 87,400 | 18,082 | 14,09 | 18,5 | 16,611 |
| 87,400 | 87,450 | 18,096 | 14,106 | 18,514 | 16,624 |
| 87,450 |  | 18,11 |  |  |  |
| 87,500 | 87,5 | 18,124 | 14, |  |  |
| 87,550 | 87,600 | 18,138 | 14,144 | 18,55 | 16,661 |
| 87,600 |  | 18,152 | 14 |  |  |
| 87,650 | 87,700 | 18,166 | 14,169 | 18,5 |  |
| ,700 | 87,750 | 18,180 | 14,18 |  |  |
| 87,750 | 87,800 | 18,1 | 14,19 | 18,61 | 16,7 |
| 87,800 | 87,850 | 18,208 | 14,206 | 18,626 | 16,724 |
| 87,850 | 87,900 | 18,22 | 14,219 |  |  |
| 87,900 | 87,950 | 18,236 | 14,231 | 18,65 | 16,749 |
| ,950 | 88,000 | 18,250 | 14,24 | 18,6 | 16,761 |

## 88,000

| 88,000 | 88,050 | 18,264 | 14,256 | 18,682 | 16,774 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 88,050 | 88,100 | 18,278 | 14,269 | 18,696 | 16,786 |
| 88,100 | 88,150 | 18,292 | 14,281 | 18,710 | 16,799 |
| 88,150 | 88,200 | 18,306 | 14,294 | 18,724 | 16,811 |
| 88,200 | 88,250 | 18,320 | 14,306 | 18,738 | 16,824 |
| 88,250 | 88,300 | 18,334 | 14,319 | 18,752 | 16,836 |
| 88,300 | 88,350 | 18,348 | 14,331 | 18,766 | 16,849 |
| 88,350 | 88,400 | 18,362 | 14,344 | 18,780 | 16,861 |
| 88,400 | 88,450 | 18,376 | 14,356 | 18,794 | 16,874 |
| 88,450 | 88,500 | 18,390 | 14,369 | 18,808 | 16,886 |
| 88,500 | 88,550 | 18,404 | 14,381 | 18,822 | 16,899 |
| 88,550 | 88,600 | 18,418 | 14,394 | 18,836 | 16,911 |
| 88,600 | 88,650 | 18,432 | 14,406 | 18,850 | 16,924 |
| 88,650 | 88,700 | 18,446 | 14,419 | 18,864 | 16,936 |
| 88,700 | 88,750 | 18,460 | 14,431 | 18,878 | 16,949 |
| 88,750 | 88,800 | 18,474 | 14,444 | 18,892 | 16,961 |
| 88,800 | 88,850 | 18,488 | 14,456 | 18,906 | 16,974 |
| 88,850 | 88,900 | 18,502 | 14,469 | 18,920 | 16,986 |
| 88,900 | 88,950 | 18,516 | 14,481 | 18,934 | 16,999 |
| 88,950 | 89,000 | 18,530 | 14,494 | 18,948 | 17,011 |


| If line 43 (taxable income) is - | And you are- |  |  |
| :---: | :---: | :---: | :---: |
| At But <br> least Bess <br> less <br> than <br>   | Single | Married Married <br> filing <br> joinilly <br> filing  <br> Sepa-  <br> rately  <br> Your tax is- | Head of a household |
| 92,000 |  |  |  |



| 93,000 | 93,050 | 19,664 | 15,506 | 20,082 | 18,024 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 93,050 | 93,100 | 19,678 | 15,519 | 20,096 | 18,036 |
| 93,100 | 93,150 | 19,692 | 15,531 | 20,110 | 18,049 |
| 93,150 | 93,200 | 19,706 | 15,544 | 20,124 | 18,061 |
| 93,200 | 93,250 | 19,720 | 15,556 | 20,138 | 18,074 |
| 93,250 | 93,300 | 19,734 | 15,569 | 20,152 |  |
| 93,300 | 93,350 | 19,748 | 15,581 | 20,166 | 18,099 |
| 93,350 | 93,400 | 19,762 | 15,594 | 20,180 | 18,111 |
| 93,400 | 93,450 | 19,776 | 15,606 | 20,194 | 18,124 |
| 93,450 | 93,500 | 19,790 | 15,619 | 20,208 | 18,136 |
| 93,500 | 93,550 | 19,804 | 15,631 | 20,222 | 18,149 |
| 93,550 | 93,600 | 19,818 | 15,644 | 20,236 | 18,161 |
| 93,600 | 93,650 | 19,832 | 15,656 | 20,250 | 18,174 |
| 93,650 | 93,700 | 19,846 | 15,669 | 20,264 | 18,186 |
| 93,700 | 93,750 | 19,860 | 15,681 | 20,278 | 18,199 |
| 93,750 | 93,800 | 19,874 | 15,694 | 20,29 | 18,211 |
| 93,800 | 93,850 | 19,888 | 15,706 | 20,306 | 18,224 |
| 93,850 | 93,900 | 19,902 | 15,719 | 20,320 | 18,236 |
| 93,900 | 93,950 | 19,916 | 15,731 | 20,334 | 18,249 |
| 93,950 | 94,000 | 19,930 | 15,744 | 20,3 | 18,261 |


| 94,000 | 94,050 | 19,9 | 15,75 | 20,3 | 18 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 4,050 | 94,100 | 19,95 | 15,76 | 20,3 |  |
| 94,100 | 94,150 | 19,972 | 15,78 |  |  |
| 94,150 | 94,200 | 19, | 15,79 |  |  |
| 94,200 | 94,250 | 20,000 | 15,80 |  |  |
| 94,250 | 94,300 | 20,014 | 15,81 | 20,4 | 18,336 |
| 94,300 |  |  |  |  |  |
| 94,350 | 94,400 | 20,0 | 15,844 | 20,460 |  |
| 94,400 | 94,450 | 20,056 | 15,856 | 20,474 | 18,374 |
| 94,450 | 94,500 | 20,070 | 15,869 |  |  |
| 94,500 | 94,550 | 20,084 | 15,88 | 20, |  |
| 50 | 94,600 | 20,098 | 15, | 20 | 18,411 |
| 600 | 94,650 | 20,11 | 15,90 | 20,5 | 18,424 |
| 94,650 | 94,700 | 20,1 |  |  |  |
| 94,700 | 94,750 | 20,140 | 15,93 | 20,55 |  |
| 94,750 | 94,800 | 20,154 | 15,944 | 20,572 | 18,461 |
|  | 94,850 | 20,168 | 15,95 | 20,5 | 18,474 |
| 94,850 | 94,900 | 20,182 | 15,96 | 20,600 | 18,486 |
| 94,900 | 94,950 | 20,196 | 15,98 |  |  |
| 94,950 | 95,000 | 20,210 | 15,99 | 20,6 | 18,511 |

2011 Tax Table-Continued

| If line taxab incom | is- | And you are- |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| At least | But less than | Single | Married filing jointly Your ta | Married <br> filing <br> sepa- <br> rately <br> ax is | Head of a house hold |
| 95,000 |  |  |  |  |  |
| 95,000 | 95,050 | 20,224 | 16,006 | 20,642 | 18,524 |
| 95,050 | 95,100 | 20,238 | 16,019 | 20,656 | 18,536 |
| 95,100 | 95,150 | 20,252 | 16,031 | 20,670 | 18,549 |
| 95,150 | 95,200 | 20,266 | 16,044 | 20,684 | 18,561 |
| 95,200 | 95,250 | 20,280 | 16,056 | 20,698 | 18,574 |
| 95,250 | 95,300 | 20,294 | 16,069 | 20,712 | 18,586 |
| 95,300 | 95,350 | 20,308 | 16,081 | 20,726 | 18,599 |
| 95,350 | 95,400 | 20,322 | 16,094 | 20,740 | 18,611 |
| 95,400 | 95,450 | 20,336 | 16,106 | 20,754 | 18,624 |
| 95,450 | 95,500 | 20,350 | 16,119 | 20,768 | 18,636 |
| 95,500 | 95,550 | 20,364 | 16,131 | 20,782 | 18,649 |
| 95,550 | 95,600 | 20,378 | 16,144 | 20,796 | 18,661 |
| 95,600 | 95,650 | 20,392 | 16,156 | 20,810 | 18,674 |
| 95,650 | 95,700 | 20,406 | 16,169 | 20,824 | 18,686 |
| 95,700 | 95,750 | 20,420 | 16,181 | 20,838 | 18,699 |
| 95,750 | 95,800 | 20,434 | 16,194 | 20,852 | 18,711 |
| 95,800 | 95,850 | 20,448 | 16,206 | 20,866 | 18,724 |
| 95,850 | 95,900 | 20,462 | 16,219 | 20,880 | 18,736 |
| 95,900 | 95,950 | 20,476 | 16,231 | 20,894 | 18,749 |
| 95,950 | 96,000 | 20,490 | 16,244 | 20,908 | 18,761 |
| 96,000 |  |  |  |  |  |
| 96,000 | 96,050 | 20,504 | 16,256 | 20,922 | 18,774 |
| 96,050 | 96,100 | 20,518 | 16,269 | 20,936 | 18,786 |
| 96,100 | 96,150 | 20,532 | 16,281 | 20,950 | 18,799 |
| 96,150 | 96,200 | 20,546 | 16,294 | 20,964 | 18,811 |
| 96,200 | 96,250 | 20,560 | 16,306 | 20,978 | 18,824 |
| 96,250 | 96,300 | 20,574 | 16,319 | 20,992 | 18,836 |
| 96,300 | 96,350 | 20,588 | 16,331 | 21,006 | 18,849 |
| 96,350 | 96,400 | 20,602 | 16,344 | 21,020 | 18,861 |
| 96,400 | 96,450 | 20,616 | 16,356 | 21,034 | 18,874 |
| 96,450 | 96,500 | 20,630 | 16,369 | 21,048 | 18,886 |
| 96,500 | 96,550 | 20,644 | 16,381 | 21,062 | 18,899 |
| 96,550 | 96,600 | 20,658 | 16,394 | 21,076 | 18,911 |
| 96,600 | 96,650 | 20,672 | 16,406 | 21,090 | 18,924 |
| 96,650 | 96,700 | 20,686 | 16,419 | 21,104 | 18,936 |
| 96,700 | 96,750 | 20,700 | 16,431 | 21,118 | 18,949 |
| 96,750 | 96,800 | 20,714 | 16,444 | 21,132 | 18,961 |
| 96,800 | 96,850 | 20,728 | 16,456 | 21,146 | 18,974 |
| 96,850 | 96,900 | 20,742 | 16,469 | 21,160 | 18,986 |
| 96,900 | 96,950 | 20,756 | 16,481 | 21,174 | 18,999 |
| 96,950 | 97,000 | 20,770 | 16,494 | 21,188 | 19,011 |


| If line (taxab incom | is- | And you are- |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| At least | But less than | Single | Married filing jointly Your ta | Married filing separately a is- | Head of a household |
| 97,000 |  |  |  |  |  |
| 97,000 | 97,050 | 20,784 | 16,506 | 21,202 | 19,024 |
| 97,050 | 97,100 | 20,798 | 16,519 | 21,216 | 19,036 |
| 97,100 | 97,150 | 20,812 | 16,531 | 21,230 | 19,049 |
| 97,150 | 97,200 | 20,826 | 16,544 | 21,244 | 19,061 |
| 97,200 | 97,250 | 20,840 | 16,556 | 21,258 | 19,074 |
| 97,250 | 97,300 | 20,854 | 16,569 | 21,272 | 19,086 |
| 97,300 | 97,350 | 20,868 | 16,581 | 21,286 | 19,099 |
| 97,350 | 97,400 | 20,882 | 16,594 | 21,300 | 19,111 |
| 97,400 | 97,450 | 20,896 | 16,606 | 21,314 | 19,124 |
| 97,450 | 97,500 | 20,910 | 16,619 | 21,328 | 19,136 |
| 97,500 | 97,550 | 20,924 | 16,631 | 21,342 | 19,149 |
| 97,550 | 97,600 | 20,938 | 16,644 | 21,356 | 19,161 |
| 97,600 | 97,650 | 20,952 | 16,656 | 21,370 | 19,174 |
| 97,650 | 97,700 | 20,966 | 16,669 | 21,384 | 19,186 |
| 97,700 | 97,750 | 20,980 | 16,681 | 21,398 | 19,199 |
| 97,750 | 97,800 | 20,994 | 16,694 | 21,412 | 19,211 |
| 97,800 | 97,850 | 21,008 | 16,706 | 21,426 | 19,224 |
| 97,850 | 97,900 | 21,022 | 16,719 | 21,440 | 19,236 |
| 97,900 | 97,950 | 21,036 | 16,731 | 21,454 | 19,249 |
| 97,950 | 98,000 | 21,050 | 16,744 | 21,468 | 19,261 |
| 98,000 |  |  |  |  |  |
| 98,000 | 98,050 | 21,064 | 16,756 | 21,482 | 19,274 |
| 98,050 | 98,100 | 21,078 | 16,769 | 21,496 | 19,286 |
| 98,100 | 98,150 | 21,092 | 16,781 | 21,510 | 19,299 |
| 98,150 | 98,200 | 21,106 | 16,794 | 21,524 | 19,311 |
| 98,200 | 98,250 | 21,120 | 16,806 | 21,538 | 19,324 |
| 98,250 | 98,300 | 21,134 | 16,819 | 21,552 | 19,336 |
| 98,300 | 98,350 | 21,148 | 16,831 | 21,566 | 19,349 |
| 98,350 | 98,400 | 21,162 | 16,844 | 21,580 | 19,361 |
| 98,400 | 98,450 | 21,176 | 16,856 | 21,594 | 19,374 |
| 98,450 | 98,500 | 21,190 | 16,869 | 21,608 | 19,386 |
| 98,500 | 98,550 | 21,204 | 16,881 | 21,622 | 19,399 |
| 98,550 | 98,600 | 21,218 | 16,894 | 21,636 | 19,411 |
| 98,600 | 98,650 | 21,232 | 16,906 | 21,650 | 19,424 |
| 98,650 | 98,700 | 21,246 | 16,919 | 21,664 | 19,436 |
| 98,700 | 98,750 | 21,260 | 16,931 | 21,678 | 19,449 |
| 98,750 | 98,800 | 21,274 | 16,944 | 21,692 | 19,461 |
| 98,800 | 98,850 | 21,288 | 16,956 | 21,706 | 19,474 |
| 98,850 | 98,900 | 21,302 | 16,969 | 21,720 | 19,486 |
| 98,900 | 98,950 | 21,316 | 16,981 | 21,734 | 19,499 |
| 98,950 | 99,000 | 21,330 | 16,994 | 21,748 | 19,511 |


| If line 43 |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| (taxable |  |  |  |  |
| income) is- |  |  |  |  |

[^1]
## 2011 Tax Computation Worksheet—Line 44

See the instructions for line 44 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. <br> If line 43 is- | (a) <br> Enter the amount from line <br> 43 | (b) <br> Multiplication <br> amount | (c) <br> Multiply <br> (a) by (b) | (d) <br> Subtraction <br> amount | Subtract (d) from (c). <br> Enter the result here and <br> on Form 1040, line 44 |
| :--- | :--- | :---: | :--- | :--- | :--- |
| At least $\$ 100,000$ but not over <br> $\$ 174,400$ | $\$$ | $\times 28 \%(.28)$ | $\$$ | $\$, 383.00$ | $\$$ |
| Over $\$ 174,400$ but not over <br> $\$ 379,150$ | $\$$ | $\times 33 \%(.33)$ | $\$$ | $\$ 15,103.00$ | $\$$ |
| Over $\$ 379,150$ | $\$$ | $\times 35 \%(.35)$ | $\$$ | $\$ 22,686.00$ | $\$$ |

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. <br> If line 43 is- | (a) <br> Enter the amount from line 43 | (b) <br> Multiplication amount | (c) <br> Multiply <br> (a) by (b) | (d) <br> Subtraction amount | Tax. <br> Subtract (d) from (c). Enter the result here and on Form 1040, line 44 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| At least $\$ 100,000$ but not over \$139,350 | \$ | $\times 25 \%(.25)$ | \$ | \$ 7,750.00 | \$ |
| Over \$139,350 but not over \$212,300 | \$ | $\times 28 \%(.28)$ | \$ | \$ 11,930.50 | \$ |
| Over \$212,300 but not over \$379,150 | \$ | $\times 33 \%(.33)$ | \$ | \$ 22,545.50 | \$ |
| Over \$379,150 | \$ | $\times 35 \%$ (.35) | \$ | \$ 30,128.50 | \$ |

Section C—Use if your filing status is Married filing separately. Complete the row below that applies to you.

| Taxable income. If line 43 is - | (a) <br> Enter the amount from line 43 | (b) <br> Multiplication amount | (c) <br> Multiply <br> (a) by (b) | (d) <br> Subtraction amount | Tax. <br> Subtract (d) from (c). Enter the result here and on Form 1040, line 44 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| At least $\$ 100,000$ but not over \$106,150 | \$ | $\times 28 \%(.28)$ | \$ | \$ 5,965.25 | \$ |
| Over \$106,150 but not over \$189,575 | \$ | $\times 33 \%(.33)$ | \$ | \$ 11,272.75 | \$ |
| Over \$189,575 | \$ | $\times 35 \%$ (.35) | \$ | \$ 15,064.25 | \$ |

Section D—Use if your filing status is Head of household. Complete the row below that applies to you.

| Taxable income. If line 43 is - | (a) <br> Enter the amount from line $43$ | (b) <br> Multiplication amount | (c) <br> Multiply <br> (a) by (b) | (d) <br> Subtraction amount | Tax. <br> Subtract (d) from (c). Enter the result here and on Form 1040, line 44 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| At least $\$ 100,000$ but not over \$119,400 | \$ | $\times 25 \%(.25)$ | \$ | \$ 5,232.50 | \$ |
| Over \$119,400 but not over \$193,350 | \$ | $\times 28 \%(.28)$ | \$ | \$ 8,814.50 | \$ |
| Over \$193,350 but not over \$379,150 | \$ | $\times 33 \%(.33)$ | \$ | \$ 18,482.00 | \$ |
| Over \$379,150 | \$ | $\times 35 \%$ (.35) | \$ | \$ 26,065.00 | \$ |

2011 Optional State and Certain Local Sales Tax Tables

| Income |  | Exemption |  |  |  |  |  | xem |  |  |  |  |  | xe |  |  |  |  |  | xe |  |  |  |  |  | xe |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{gathered} \text { At } \\ \text { least } \end{gathered}$ | $\begin{aligned} & \text { But } \\ & \text { less } \\ & \text { than } \end{aligned}$ | 1 | 2 | 3 | 4 | 5 |  | 1 | 2 | 3 | 4 | 5 |  | 1 | 2 | 3 | 4 | 5 |  | 1 | 2 | 3 | 4 | 5 |  | 1 | 2 | 3 | 4 | 5 | $5$ |
|  |  | Alabama |  |  | 4．0000\％ |  |  | Arizona |  |  | 6．6000\％ |  |  | Arkansas |  |  | 6．0000\％ |  |  | California ${ }^{1,2}$ |  |  | 7．7459\％ |  |  | Colorado |  |  | 2．9000\％ |  |  |
| \＄0 | \＄20，000 |  |  |  |  |  |  |  | 288 |  |  |  |  |  | 226 |  | 66 | 80 |  |  |  | 333 |  |  |  |  |  |  |  |  |  |
| 000 | 30，000 |  | 392 | 432 | 464 | 490 |  |  | 473 | 502 | 524 | 541 |  |  | 521 | 557 | 584 | 607 |  | 79 | 522 | 550 | 571 | 588 | 612 | 8 | 201 | 213 | 223 | 230 | 40 |
|  |  |  |  | 499 | 535 |  |  |  | 569 |  | 630 | 651 | 680 |  | 619 | 663 | 695 | 22 |  |  | 629 | 663 | 68 | 709 | 737 | 21 | 237 | 25 | 262 |  | 83 |
|  |  | 428 |  |  | 593 |  |  |  | 652 |  | 721 |  |  |  | 704 | 753 | 790 | 820 |  |  | 72 |  |  | 813 | 84 | 243 | 268 | 28 | 296 |  |  |
| 50，000 | 60，000 | 466 | 547 | 602 | 645 |  |  | 659 | 726 |  | 803 | 830 |  |  | 779 | 834 | 875 | 908 | 95 | 738 | 806 | 849 | 88 | 907 | 942 | 268 | 295 | 313 | 326 |  | 5 |
| 相 | ，000 | 500 | 587 | 646 | 91 | 730 | 783 | 721 | 95 | 843 | 79 | 8 | 948 | 757 | 848 | 07 | 952 | 988 | 103 | 09 | 882 | 929 | 96 | 993 | 103 | 29 | 32 | 339 | 353 | 365 | 81 |
| ，000 | 80，000 | 532 | 624 | 686 | 734 | 75 | 832 | 779 | 859 | 11 | 950 | 982 | 1025 | 815 | 913 | 976 | 1025 | 1064 | 111 | 875 | 955 | 1005 | 1043 | 1074 | 11 | 312 | 343 | 36 | 379 | 391 | 409 |
| 000 | 90，0 | 562 | 658 | 723 | 774 |  | 876 | 834 | 919 | 974 | 1016 | 1050 | 10 | 868 | 973 | 1041 | 1092 | 1133 | 119 | 937 | 1022 | 107 | 111 | 1150 | 119 | 332 | 365 | 386 | 403 | 416 | 434 |
| 90，000 | 100 |  |  | 757 | 811 | 855 | 918 | 885 | 976 | 1035 | 1079 | 1115 |  | 919 | 1029 | 1101 | 1155 | 1199 |  | 996 | 1086 | 1144 | 1187 | 122 |  | 350 | 385 | 40 | 425 | 43 | 45 |
| 00，000 | 120，000 | 625 | 731 | 803 | 859 | 06 | 972 | 953 | 1051 | 1114 | 1162 | 1200 |  | 985 | 1104 | 1181 | 1239 | 1286 | 1351 | 1073 | 1170 | 1233 | 1279 | 1317 | 136 | 374 | 412 | 436 | 454 | 469 | 489 |
|  | 140，00 | 673 | 786 |  | 924 | 974 | 10 | 1047 | 154 | 1223 | 1276 | 1318 | 1376 | 1076 | 1206 | 1289 | 1353 | 1405 | 147 | 1180 | 1287 | 1355 | 1406 | 1447 |  | 407 | 448 | 474 | 494 | 510 | 532 |
| 000 | 160，00 |  | 834 | 916 | 979 | 1032 |  | 129 | 1245 | 1319 | 1375 | 1421 | 148 | 1155 | 1294 | 1384 | 1452 | 1508 | 1584 | 127 | 1389 | 1462 | 1517 | 1562 | 162 | 436 | 479 | 507 | 528 |  | 569 |
| 160，000 | 180，000 |  | 882 | 967 | 103 | 1090 |  | 1211 | 1335 | 1415 | 1475 | 1524 | 1591 | 1234 | 1382 | 1479 | 1551 | 1610 | 1692 | 1367 | 1490 | 1569 | 1628 | 1676 | 174 | 465 | 510 | 540 | 562 | 580 | 05 |
| 180，000 | 200，00 | 793 | 924 | 1013 |  | 11 |  | 12 | 14 | 150 |  | 16 |  | 1305 | 146 | 15 |  | 17 |  | 14 | 1582 | 16 | 1729 | 1779 |  | 49 | 539 |  |  | 612 | 638 |
| 00，000 | or more | 971 | 112 | 12 | 1321 | 1390 | 1489 | 165 | 1824 | 1933 | 2014 | 2081 | 2172 | 1656 | 1855 | 1984 | 2081 | 2160 | 2270 | 875 | 2044 | 2151 | 2232 | 2297 | 2386 | 617 | 677 | 715 | 744 | 768 | 800 |


| Income |  | Connecticut |  |  | 6．1764\％ |  |  | District of Columbia |  |  |  | 6．0000\％ |  | Florida |  |  | 6．0000\％ |  |  | Georgia |  |  | 4．0000\％ |  |  | Hawaii ${ }^{5}$ |  |  | 4．0000\％ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \＄0 | 0，00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 177 |  |  |  |  |  |  |  |  |  |  |
| ，000 | ，00 |  | 446 | 469 | 485 | 498 | 516 | 315 | 337 | 352 | 362 | 371 | 383 | 16 | 455 | 80 | 498 | 514 | 53 | 252 | 279 | 296 | 09 | 320 | 335 | 93 | 451 | 490 | 520 | 544 | 578 |
| ，00 | 40，000 |  | 537 | 563 | 583 | 599 | 621 | 379 | 406 | 423 | 436 | 46 | 460 |  | 547 | 577 | 599 | 617 |  |  | 330 | 350 | 366 | 78 | 39 |  | 531 | 576 | 611 | 640 | 680 |
| ，00 | 50，000 |  |  |  |  |  |  |  |  | 485 |  |  |  |  |  | 660 |  | 706 | 735 | 338 | 373 | 396 | 414 | 428 |  | 521 | 598 | 650 | 689 | 721 |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 12 |  | 56 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | 592 |  |  |  |  |  |  |  | 61 |  |  |  |  |  |  |  |  |  |  | 82 |  | 1 |
| 70，000 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 30 |  |  | 480 |  |  |  |  |  |  | 28 |  | 19 | 976 |
| 000 | 90，000 |  |  | 910 | 942 | 968 | 1003 |  | 658 | 685 | 706 | 723 | 745 | 806 | 881 | 929 | 966 | 995 | 10 | 463 | 11 | 542 | 565 | 584 | 611 | 705 | 809 | 878 | 931 | 975 | 1035 |
| 000 | 100，00 |  | 920 | 966 | 1001 | 1028 |  |  |  | 728 |  | 768 |  |  | 936 | 98 | 025 | 056 |  |  |  |  |  | 617 |  |  |  | 926 | 982 | 1028 |  |
| ，000 | 120，000 | 913 | 991 | 1041 | 1078 | 1107 |  | 702 | 753 | 784 | 808 | 827 | 853 | 921 | 1007 | 1062 | 1104 | 1137 | 118 | 3 | 577 | 612 | 639 | 660 | 690 | 793 | 911 | 98 | 104 | 1097 | 1164 |
| 0，000 | 140，000 | 10 | 1088 | 1143 | 1183 | 1216 | 1260 | 772 | 827 | 862 | 888 | 909 | 937 | 1012 | 1106 | 1166 | 1212 | 1248 | 129 | 570 | 629 | 66 | 696 | 719 | 75 | 862 | 989 | 107 | 113 | 119 | 26 |
| 0，000 | 160，000 | 1081 | 1174 | 12 | 1276 | 13 | 1359 | 832 | 892 | 930 | 958 | 80 | 10 | 1091 | 1192 | 125 | 1306 | 1345 | 1399 | 611 | 寿 | 714 | 745 | 70 | 80 | 92 | 105 | 114 | 121 | 127 | 1350 |
| ，000 | 180，00 | 11 | 1 | 13 | 1369 | 1406 | 1457 | 893 | 957 | 997 | 1027 | 105 | 1084 | 11 | 1278 | ＋34 | 1400 | 1442 | 仡 |  | 718 |  | 794 | 821 | 85 | 979 | 124 | 121 | 1292 | 1352 | 1436 |
| 180，000 | 200，000 | 1229 | 1335 | 1402 | 1452 | 1492 |  | 948 | 1016 | 1059 | 1090 | 1116 |  | 1241 | 1356 | 1430 | 1485 | 1530 | 1591 | 688 | 758 | 804 | 838 | 866 | 90 | 1032 | 1184 | 1284 |  | 1425 | 1513 |
| 00，000 or | or more | 15 | 1720 | 18 | 1870 | 1922 | 1992 | 12 | 13 | 136 | 14 | 1439 | 1483 | 159 | 1745 | 184 | 1911 | 968 | 2047 | 869 | 956 | 10 | 1056 | 10 |  | 1290 | 1479 | 1604 | 00 | 1779 |  |


| Income | Idaho | $6.0000 \%$ | Illinois | $6.2500 \%$ | Indiana | $7.0000 \%$ | lowa | $6.0000 \%$ | Kansas | $6.3000 \%$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |


| $\$ 0$ | $\$ 20,000$ | 339 | 400 | 441 | 473 | 500 | 538 | 262 | 294 | 314 | 330 | 343 | 361 | 299 | 332 | 353 | 370 | 383 | 401 | 259 | 288 | 306 | 320 | 331 | 346 | 369 | 435 | 480 | 515 | 544 | 585 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllllllllllllllllllllllllllllllll}20,000 & 30,000 & 505 & 594 & 654 & 700 & 739 & 794 & 403 & 450 & 481 & 505 & 525 & 552 & 462 & 514 & 547 & 571 & 592 & 619 & 427 & 474 & 505 & 528 & 546 & 571 & 560 & 659 & 726 & 778 & 822 & 883\end{array}$

$\begin{array}{lllllllllllllllllllllllllllllllllll}30,000 & 40,000 & 586 & 688 & 757 & 810 & 855 & 918 & 472 & 527 & 563 & 591 & 614 & 646 & 544 & 604 & 643 & 672 & 695 & 728 & 514 & 571 & 608 & 635 & 657 & 688 & 653 & 768 & 846 & 907 & 957 & 1028\end{array}$ $40,000 \quad 50,000 ~\left[\begin{array}{lllllll}654 & 767 & 843 & 902 & 952 & 1022\end{array}\right.$

 $60,000 \quad 70,000 ~ 7688898 \quad 987105611141195$ $70,000 \quad 80,000 ~ 818 ~ 957 ~ 1051 ~ 1124 ~ 1185 ~ 1271$ 80，000 $90,000 ~ 86410101109118612501340$ $90,000 \quad 100,000 \quad 90710601163124413111406$ 100，000 120，000 $\begin{array}{llllllll}964 & 1125 & 1235 & 1320 & 1391 & 1491\end{array}$ \begin{tabular}{ll|llllll}
120,000 \& 140,000 \& 1040 \& 1213 \& 1331 \& 1422 \& 1499 \& 1606 <br>
1

 140，000 160，000 110612901414151115911705 160，000 180，000 117213651496159816831803 180，000 200，000 123014321569167617641890 200，000 or more $1 \begin{array}{llllll}1514 & 1758 & 1924 & 2053 & 2161 & 2312\end{array}$ 

472 \& 527 \& 563 \& 591 \& 614 \& 646 \& 544 \& 604 \& 643 \& 672 \& 695 \& 728 <br>
531 \& 592 \& 633 \& 664 \& 689 \& 725 \& 613 \& 680 \& 724 \& 756 \& 783 \& 819

 

583 \& 650 \& 694 \& 728 \& 756 \& 795 <br>
674 \& 748 \& 796 \& 832 \& 861 \& 901 <br>
657 \& 730 \& 777 \& 812 \& 840 \& 880 <br>
\hline

 $\begin{array}{lllllllllllllllllll}629 & 702 & 750 & 786 & 816 & 858 & 729 & 810 & 861 & 900 & 931 & 974 & 719 & 799 & 850 & 889 & 920 & 963\end{array}$ 

673 \& 751 \& 802 \& 841 \& 873 \& 917 \& 781 \& 867 \& 922 \& 964 \& 997 \& 1043

 

714 \& 796 \& 850 \& 891 \& 925 \& 971 \& 829 \& 920 \& 978 \& 1022 \& 1058 \& 1107

 

752 \& 838 \& 894 \& 938 \& 973 \& 1022 \& 874 \& 970 \& 1031 \& 1078 \& 1115 \& 1166

 

801 \& 893 \& 953 \& 999 \& 1037 \& 1089 \& 933 \& 1035 \& 1101 \& 1150 \& 1190 \& 1245
\end{tabular}





 $\begin{array}{lllllllllllllllllllllllllllll}154 & 1231 & 1290 & 1338 & 1405 & 1213 & 1345 & 1430 & 1494 & 1545 & 1616 & 1284 & 1428 & 1520 & 1589 & 1645 & 1723 & 1403 & 1645 & 1809 & 1936 & 2042 & 2190\end{array}$ －

| Income | Kentucky | $6.0000 \%$ | Louisiana | $4.0000 \%$ | Maine | $5.0000 \%$ | Maryland | $6.0000 \%$ | Massachusetts | $6.2500 \%$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | 100，000 120，000 120，000 140，000 $\begin{array}{ll}120,000 & 140,000 \\ 140,000 & 160,000\end{array}$ 140，000 160，000 $\begin{array}{ll}160,000 & 180,000 \\ 180,000 & 200,000\end{array}$ 200,000 or more


$\begin{array}{llllllll}20,000 & 30,000 & 243 & 269 & 286 & 298 & 308 & 322 \\ 388 & 428 & 454 & 474 & 489 & 511\end{array}$ | 20,000 | 30,000 | 388 | 428 | 454 | 474 | 489 | 511 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 30,000 | 40,000 | 461 | 508 | 539 | 562 | 581 | 607 |

 \begin{tabular}{ll|llllll}
50,000 \& 60,000 \& 580 \& 639 \& 677 \& 706 \& 729 \& 761

 

60,000 \& 70,000 \& 630 \& 695 \& 736 \& 767 \& 793 \& 827

 

70,000 \& 80,000 \& 678 \& 747 \& 792 \& 825 \& 852 \& 890

 

80,000 \& 90,000 \& 723 \& 796 \& 843 \& 879 \& 908 \& 947 <br>
90,000 \& 100,000 \& 765 \& 842 \& 892 \& 929 \& 960 \& 1002

 

189 \& 184 \& 194 \& 201 \& 207 \& 215 \& 160 \& 173 \& 181 \& 187 \& 192 \& 198 \& 233 \& 257 \& 273 \& 285 \& 295 \& 309 <br>
278 \& 303 \& 319 \& 331 \& 340 \& 353 \& 261 \& 282 \& 295 \& 305 \& 313 \& 323 \& 379 \& 418 \& 444 \& 464 \& 480 \& 502

 $\begin{array}{lllllllllllllllllll}278 & 303 & 319 & 331 & 340 & 353 & 261 & 282 & 295 & 305 & 313 & 323 & 379 & 418 & 444 & 464 & 480 & 502 \\ 334 & 364 & 383 & 398 & 409 & 425 & 314 & 338 & 354 & 365 & 375 & 387 & 453 & 501 & 532 & 556 & 575 & 601\end{array}$ $\begin{array}{llllllllllllllllll}334 & 364 & 383 & 398 & 409 & 425 & 314 & 338 & 354 & 365 & 375 & 387 & 453 & 501 & 532 & 556 & 575 & 601 \\ 383 & 417 & 439 & 456 & 469 & 487 & 359 & 387 & 404 & 418 & 428 & 443 & 518 & 572 & 607 & 634 & 656 & 687\end{array}$ $\begin{array}{lllllll} & 465 & 490 & 508 & 522 & 5\end{array}$ $\begin{array}{llllll}465 & 490 & 508 & 522 & 542 \\ 509 & 536 & 555 & 571 & 593\end{array}$ 

509 \& 536 \& 555 \& 571 \& 593 <br>
\hline \& 550 \& 579 \& 601 \& 618 \& 642

 $\begin{array}{llllll}5 & 550 & 579 & 601 & 618 & 642\end{array}$ $\begin{array}{llllll}41 & 589 & 620 & 643 & 661 & 686 \\ 40 & 471 & 508 & 531 & 548 & 562 \\ 504 & 581 & 678 & 749 & 795 & 831 \\ 867 & 586 & 600 & 621 & 724 & 800 \\ 850 & 887 & 918 & 960\end{array}$ 

574 \& 625 \& 658 \& 682 \& 702 \& 729 \& 504 \& 543 \& 567 \& 586 \& 600 \& 621 \& 724 \& 800 \& 850 \& 887 \& 918 \& 960 <br>
576 \& 602 \& 621 \& 637 \& 658 \& 768 \& 848 \& 901 \& 941 \& 973 \& 1018

 $\begin{array}{llllll}618 & 673 & 709 & 735 & 756 & 785 \\ 57575 & 619 & 647 & 668 & 685 & 708 \\ 525 & 812 & 968 & 1011 & 1046 & 1094\end{array}$ 

618 \& 673 \& 709 \& 735 \& 756 \& 785 \& 575 \& 619 \& 647 \& 668 \& 685 \& 708 \& 825 \& 912 \& 968 \& 1011 \& 1046 \& 1094 <br>
679 \& 740 \& 778 \& 807 \& 830 \& 862 \& 631 \& 679 \& 710 \& 733 \& 751 \& 776 \& 904 \& 999 \& 1061 \& 108 \& 116 \& 1199

 

679 \& 740 \& 778 \& 807 \& 830 \& 862 \& 631 \& 679 \& 710 \& 733 \& 751 \& 776 \& 904 \& 999 \& 1061 \& 1108 \& 1146 \& 1199
\end{tabular} $\begin{array}{lllllll}820 & 902 & 956 & 996 & 1028 & 1073\end{array}$ $\begin{array}{llllll}895 & 985 & 1043 & 1087 & 1122 & 1171\end{array}$ $\begin{array}{llllll}961 & 1057 & 1119 & 1166 & 1204 & 1256\end{array}$ $\begin{array}{llllll}1026 & 1129 & 1195 & 1245 & 1285 & 1341\end{array}$ $\begin{array}{llllll}1085 & 1193 & 1263 & 1315 & 1358 & 1417\end{array}$

$\begin{array}{llllll}782 & 798 & 839 & 870 & 895 & 930 \\ 785 & 900 & 933 & 960 & 997\end{array}$ $\begin{array}{rrrrrr}785 & 855 & 900 & 933 & 960 & 997 \\ 833 & 908 & 955 & 990 & 1019 & 1058\end{array}$

| Inc | me | Michigan |  |  | 6．0000\％ |  |  | Minnesota |  |  | 6．8750\％ |  |  | Mississippi |  |  | 7．0000\％ |  |  | Missouri |  |  | 4．2250\％ |  |  | Nebraska |  |  | 5．5000\％ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \＄0 | \＄20，000 | 232 | 256 | 272 | 283 | 293 | 306 | 245 | 265 | 278 | 287 | 295 | 305 | 424 | 493 | 539 | 575 | 604 | 645 | 181 | 206 | 222 | 234 | 244 | 258 | 239 | 26 | 279 | 291 | 301 | 314 |
| 20，000 | 30，000 | 368 | 405 | 429 | 447 | 461 | 481 | 409 | 443 | 464 | 480 | 493 | 511 | 651 | 755 | 825 | 879 | 924 | 986 | 286 | 323 | 348 | 367 | 382 | 404 | 391 | 431 | 457 | 477 | 492 | 514 |
| 30，000 | 40，000 | 436 | 479 | 508 | 529 | 546 | 570 | 494 | 535 | 561 | 581 | 597 | 618 | 762 | 884 | 966 | 1029 | 1081 | 1154 | 338 | 382 | 411 | 433 | 451 | 477 | 469 | 517 | 549 | 572 | 591 | 616 |
| 40，000 | 50，000 | 494 | 543 | 575 | 599 | 618 | 645 | 568 | 616 | 646 | 668 | 686 | 711 | 856 | 993 | 1085 | 1156 | 1214 | 1295 | 383 | 432 | 465 | 490 | 510 | 539 | 536 | 592 | 627 | 654 | 676 | 705 |
| 50，000 | 60，000 | 546 | 600 | 635 | 662 | 683 | 712 | 635 | 688 | 722 | 747 | 768 | 795 | 940 | 1090 | 1190 | 1267 | 1331 | 1420 | 423 | 477 | 513 | 540 | 563 | 594 | 597 | 659 | 698 | 728 | 752 | 785 |
| 60，000 | 70，000 | 593 | 652 | 690 | 718 | 742 | 773 | 696 | 755 | 792 | 820 | 842 | 873 | 1015 | 1177 | 1285 | 1368 | 1437 | 1533 | 459 | 518 | 556 | 586 | 610 | 644 | 652 | 720 | 763 | 795 | 822 | 858 |
| 70，000 | 80，000 | 638 | 701 | 741 | 772 | 797 | 831 | 755 | 818 | 859 | 889 | 913 | 946 | 1086 | 1258 | 1374 | 1463 | 1536 | 1639 | 493 | 556 | 597 | 629 | 655 | 691 | 704 | 778 | 824 | 859 | 888 | 926 |
| 80，000 | 90，000 | 679 | 746 | 789 | 821 | 848 | 884 | 809 | 877 | 921 | 953 | 979 | 1015 | 1150 | 1333 | 1455 | 1549 | 1627 | 1736 | 524 | 591 | 635 | 669 | 696 | 735 | 753 | 831 | 881 | 919 | 949 | 990 |
| 90，000 | 100，000 | 718 | 788 | 834 | 868 | 896 | 934 | 861 | 934 | 980 | 1014 | 1042 | 1080 | 1211 | 1404 | 1532 | 1631 | 1713 | 1827 | 55 | 624 | 671 | 706 | 735 | 776 | 799 | 882 | 935 | 975 | 1007 | 1051 |
| 100，000 | 120，000 | 769 | 844 | 892 | 929 | 959 | 999 | 929 | 1008 | 1058 | 1095 | 1125 | 1166 | 1291 | 1496 | 1632 | 1738 | 1825 | 1946 | 593 | 668 | 717 | 755 | 787 | 830 | 859 | 949 | 1006 | 1049 | 1084 | 1131 |
| 120，000 | 140，000 | 839 | 920 | 973 | 1013 | 1045 | 1089 | 1023 | 1110 | 1165 | 1206 | 1239 | 1285 | 1399 | 1621 | 1768 | 1882 | 1977 | 2108 | 646 | 728 | 781 | 823 | 856 | 903 | 943 | 1041 | 1104 | 1151 | 1189 | 1241 |
| 140，000 | 160，000 | 899 | 987 | 1043 | 1085 | 1120 | 1167 | 1105 | 1200 | 1260 | 1304 | 1340 | 1389 | 1493 | 1729 | 1886 | 2008 | 2108 | 2248 | 692 | 779 | 837 | 881 | 917 | 967 | 1016 | 1121 | 1189 | 1240 | 1281 | 1337 |
| 160，000 | 180，000 | 960 | 1053 | 1112 | 1157 | 1194 | 1244 | 1188 | 1290 | 1354 | 1402 | 1441 | 1493 | 1585 | 1836 | 2003 | 2131 | 2238 | 2386 | 738 | 831 | 892 | 939 | 977 | 1030 | 1088 | 1202 | 1274 | 1328 | 1372 | 1432 |
| 180，000 | 200，000 | 1014 | 1112 | 1175 | 1222 | 1261 | 1314 | 1263 | 1371 | 1439 | 1491 | 1532 | 1588 | 1668 | 1931 | 2107 | 2242 | 2354 | 2510 | 780 | 877 | 941 | 991 | 1031 | 1087 | 1154 | 1274 | 1351 | 1409 | 1455 | 1519 |
| 200，000 | or more | 1283 | 1405 | 1484 | 1543 | 1591 | 1658 | 1639 | 1780 | 1870 | 1936 | 1990 | 2063 | 2074 | 2399 | 2616 | 2783 | 2922 | 3114 | 984 | 1105 | 1186 | 1247 | 1297 | 1367 | 1481 | 1636 | 1735 | 1809 | 1869 | 1950 |

（Continued）

# 2011 Optional State and Certain Local Sales Tax Tables（Continued） 

| Income |  | Exemptions |  |  |  |  |  | Exemptions |  |  |  |  |  | Exemptions |  |  |  |  |  | Exemptions |  |  |  |  |  | Exemptions |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{gathered} \text { At } \\ \text { least } \end{gathered}$ | $\begin{aligned} & \text { But } \\ & \text { less } \\ & \text { than } \end{aligned}$ | 1 | 2 | 3 | 4 | 5 | $5$ | 1 | 2 | 3 | 4 | 5 | $5$ | 1 | 2 | 3 | 4 | 5 | $5$ | 1 | 2 | 3 | 4 | 5 | $5$ | 1 | 2 | 3 | 4 | 5 | 5 |
|  |  | Nevada ${ }^{3}$ |  |  | 6．8500\％ |  |  | New Jersey ${ }^{4}$ |  |  | 7．0000\％ |  |  | New Mexico |  |  | 5．1250\％ |  |  | New York |  |  | 4．0000\％ |  |  | North Carolina ${ }^{1}$ |  |  |  | 5．2459\％ |  |
| \＄0 | \＄20，000 | 266 | 293 | 311 | 324 | 334 | 349 | 263 | 282 | 294 | 303 | 310 | 320 | 235 | 252 | 262 | 270 | 276 | 284 | 155 | 167 | 174 | 180 | 185 | 191 | 54 | 289 | 31 | 331 | 45 | 366 |
| 20，000 | 30，000 | 420 | 462 | 488 | 509 | 525 | 547 | 436 | 67 | 487 | 502 | 514 | 530 | 391 | 419 | 436 | 449 | 459 | 473 | 255 | 275 | 28 | 296 | 304 | 314 | 39 | 452 | 48 | 516 | 53 | 570 |
| 30，000 | 40，000 | 498 | 546 | 578 | 601 | 621 | 647 | 525 | 563 | 587 | 605 | 619 | 639 | 472 | 506 | 527 | 542 | 554 | 571 | 307 | 330 | 345 | 356 | 365 | 378 | 468 | 533 | 576 | 608 | 635 | 672 |
| 40，000 | 50，000 | 564 | 619 | 654 | 81 | 702 | 732 | 603 | 46 | 674 | 694 | 711 | 733 | 542 | 581 | 605 | 623 | 637 | 656 | 352 | 378 | 396 | 408 | 419 | 433 | 528 | 602 | 65 | 687 | 717 | 759 |
| 50，000 | 60，000 | 623 | 683 | 722 | 751 | 775 | 807 | 673 | 721 | 752 | 775 | 793 | 818 | 605 | 649 | 676 | 696 | 711 | 733 | 392 | 422 | 441 | 455 | 467 | 482 | 582 | 663 | 71 | 756 | 790 | 835 |
| 60，000 | 70，000 | 676 | 742 | 784 | 815 | 841 | 876 | 737 | 790 | 823 | 848 | 868 | 896 | 663 | 711 | 741 | 762 | 780 | 803 | 429 | 462 | 482 | 498 | 510 | 528 | 631 | 718 | 776 | 820 | 855 | 905 |
| 70，000 | 80，000 | 727 | 797 | 841 | 875 | 903 | 940 | 797 | 855 | 891 | 918 | 940 | 969 | 718 | 770 | 802 | 826 | 844 | 870 | 464 | 499 | 522 | 538 | 552 | 570 | 677 | 770 | 83 | 879 | 917 | 970 |
| 80，000 | 90，000 | 773 | 847 | 895 | 931 | 960 | 1000 | 853 | 915 | 954 | 983 | 1006 | 1038 | 769 | 825 | 859 | 885 | 905 | 932 | 496 | 534 | 558 | 576 | 590 | 610 | 719 | 818 | 88 | 933 | 974 | 103 |
| 90，000 | 100，00 | 81 | 895 | 946 | 983 | 1014 | 10 | 907 | 972 | 1014 | 1045 | 1069 | 1103 | 818 | 877 | 914 | 940 | 962 | 991 | 527 | 567 | 593 | 612 | 627 | 648 | 759 | 863 | 932 | 985 | 1028 | 1087 |
| 100，000 | 120，000 | 875 | 958 | 1012 | 1052 | 1085 | 1130 | 978 | 1048 | 1093 | 1126 | 1153 | 1189 | 882 | 946 | 985 | 1014 | 1038 | 1069 | 568 | 611 | 638 | 659 | 675 | 698 | 811 | 923 | 996 | 1052 | 1098 | 1162 |
| 120，000 | 140，000 | 954 | 1044 | 1102 | 1146 | 1182 | 1230 | 1075 | 1152 | 1202 | 1238 | 1267 | 1307 | 971 | 1041 | 1084 | 1116 | 1142 | 1176 | 623 | 671 | 701 | 724 | 742 | 767 | 882 | 1003 | 1083 | 1144 | 119 | 1263 |
| 140，000 | 160，000 | 1022 | 1119 | 1181 | 1228 | 1266 | 1318 | 1160 | 1244 | 1297 | 1336 | 1368 | 1411 | 1048 | 1124 | 1171 | 1206 | 1233 | 1270 | 672 | 723 | 756 | 780 | 800 | 82 | 944 | 1073 | 1159 | 1224 | 1277 | 1351 |
| 160，000 | 180，000 | 1091 | 1193 | 1259 | 1309 | 1349 | 1405 | 1245 | 1335 | 1392 | 1434 | 1468 | 1515 | 1126 | 1207 | 1258 | 1295 | 1325 | 1365 | 721 | 776 | 811 | 837 | 858 | 887 | 1005 | 1143 | 1233 | 1303 | 1359 | 1438 |
| 180，000 | 200，000 | 115 | 1260 | 133 | 138 | 142 | 14 | 132 | 14 | 147 | 15 | 155 | 1608 | 1196 | 1283 | 13 | 左 | 140 | 1450 | 65 | 823 | 860 | 888 | 910 | 941 | 1060 | 205 | 130 | 1373 | 1433 | 151 |
| 200，000 | or more | 1455 | 1590 | 1677 | 1742 | 1795 | 1868 | 1707 | 1831 | 1909 | 1967 | 2014 | 2078 | 1548 | 1661 | 1730 | 1782 | 1822 | 1878 | 986 | 1061 | 1108 | 1144 | 1172 | 1212 | 1330 | 1511 | 1631 | 1722 | 1796 | 190 |


| Income |  | North Dakota 5．0000\％ |  |  |  |  |  | Ohio |  |  | 5．5000\％ |  |  | Oklahoma |  |  | 4．5000\％ |  |  | Pennsylvania |  |  |  | 6．0000\％ |  | Rhode Isla |  |  |  | 7．0000\％ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | \＄20，00 |  |  |  |  |  | 268 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 000 | 30，00 | 303 | 339 | 363 | 382 | 397 | 417 | 382 | 417 | 439 | 456 | 469 | 488 | 382 | 444 | 486 | 519 | 546 | 584 | 348 | 374 | 391 | 403 | 413 | 427 | 04 | 438 | 46 | 476 | 489 |  |
| ，000 | ，000 | 358 | 400 | 428 | 450 | 467 | 492 | 459 | 500 | 527 | 547 | 563 | 585 | 448 | 521 | 571 | 609 | 641 | 686 | 417 | 448 | 468 | 483 | 495 | 51 | 475 | 515 | 541 | 56 | 57 | 596 |
|  | O | 404 | 452 | 483 | 507 | 527 | 555 |  | 572 | 602 | 625 | 644 | 669 | 505 | 587 | 642 |  | 721 | 771 | 476 | 512 | 535 | 552 | 56 | 584 | 53 | 580 | 60 | 631 |  |  |
| 50，000 | 60，000 |  | 498 |  | 559 | 580 | 611 |  | 637 | 670 | 696 | 716 | 744 | 555 | 645 | 706 | 53 | 792 | 847 | 530 | 569 | 595 | 614 | 62 | 649 | 58 | 638 | 67 | 694 | 713 | 739 |
| 60，000 | 70，000 |  | 539 |  | 605 | 629 | 661 |  | 695 | 732 | 760 | 782 | 813 | 601 | 698 | 763 | 14 | 856 | 916 | 578 | 622 | 649 | 670 | 68 | 709 | 63 | 691 | 725 | 751 | 771 | 99 |
| 70，000 | 80，000 |  | 578 |  | 649 | 674 | 709 |  | 751 | 791 | 821 | 84 | 877 |  | 747 | 817 | 871 | 917 | 980 | 24 |  | 701 | 723 | 74 | 76 | 68 | 740 | 77 | 804 | 82 |  |
| 80，000 | 90，000 |  |  |  | 689 | 715 | 752 |  | 803 |  | 77 | 903 | 938 |  | 792 | 866 | 924 | 972 | 103 |  |  | 749 | 773 | 79 | 818 |  | 785 | 82 | 853 | 87 |  |
|  | 100，000 |  | 648 |  | 727 | 755 | 794 |  | 852 |  | 930 | 958 | 995 |  | 835 | 913 | 974 | 1024 | 109 | 707 |  | 794 | 819 |  |  | 76 | 828 |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 916 | 965 | 1001 | 1030 |  |  |  | 974 | 1038 | 1092 |  |  |  | 854 | 881 | 90 | 932 |  | 883 | 927 | 959 | 986 | 1021 |
| 120，000 | 140 |  |  |  |  |  |  |  | 1005 | 1058 |  | 1130 |  | 833 | 966 | 1057 |  |  |  |  |  | 936 | 966 | 98 |  |  | 959 | 100 | 1042 | 107 | 109 |
| 140，000 | 160，00 |  | 805 |  | 902 | 937 | 985 | 993 | 1083 |  | 82 | 12 | 1264 | 890 | 1032 |  |  |  |  |  | 965 | 1008 | 104 | 106 |  | 94 | 1025 | 1075 | 11 | 1143 |  |
| 160，000 | 180，000 |  | 857 |  | 960 | 997 | 1048 | 64 | 1160 | 1221 | 1267 | 1304 | 1354 | 946 | 1097 | 1199 | 12 | 1344 | 143 | 962 | 1034 | 1079 | 111 | 114 | 1178 | 1006 | 09 | 1144 | 18 | 121 |  |
| 180，000 | 200，00 | 810 | 903 | 965 | 1012 | 10 | 11 |  | 12 |  |  |  |  | 997 |  | 12 |  |  | 15 | 1019 | 1095 | 11 | 11 | 120 |  |  | 1148 | 120 | 1247 | 128 |  |
| 00，000 | or more | 1016 | 1132 | 1209 | 1268 | 1316 | 1383 | 1448 | 1578 | 1661 | 1723 | 1773 | 1841 | 1245 | 1441 | 1574 | 1678 | 1764 | 1884 | 1306 | 1403 | 1465 | 1511 | 1548 | 1599 | 1325 | 1435 | 1505 | 1557 | 1599 |  |


|  |  | uth Carolina 6．0000\％ |  |  |  |  |  | South Dakota 4．0000\％ |  |  |  |  |  | Tennessee |  |  | 7．0000\％ |  |  | Texas |  |  | ．2500\％ |  |  | Utah |  |  | 4．7000\％ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 000 | 30，000 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 000 | ，00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 936 | 80 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ，000 | 50，00 |  |  | 645 |  | 691 |  |  |  |  | 663 | 697 |  |  | 918 | 995 | 1055 | 1104 |  |  |  |  |  |  |  |  | 58 |  |  |  |  |
| ，000 | ，00 |  |  |  |  |  |  |  |  |  |  |  |  |  | 1010 | 1095 |  | 121 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ，000 | ，00 |  | 741 | 783 | 814 | 840 | 874 | 578 | 674 | 738 | 787 | 828 | 885 | 956 | 1094 | 1185 | 1255 | 1313 | 139 | ， | 812 | 864 | 904 | 935 | 97 | 20 | 705 | 761 | 804 | 840 |  |
| ，000 | ，00 |  | 800 | 845 | 879 | 907 | 944 | 619 | 721 | 790 | 842 | 886 | 947 | 1025 | 1172 | 1269 | 1345 | 1407 | 149 | 789 | 877 | 933 | 976 | 1010 | 1057 | 666 | 757 | 817 | 864 | 901 | 95 |
| ，00 | 90，00 |  | 855 | 903 | 939 | 69 | 1008 | 657 | 765 | 837 | 893 | 940 | 1005 | 1088 | 1244 | 1347 | 1427 | 1492 | 158 | 844 | 93 | 997 | 1043 | 1079 | 113 | 709 | 805 | 869 |  | 958 | 101 |
| 90，000 |  |  |  | 958 |  | 27 |  |  |  |  | 941 | 990 |  |  |  |  |  |  |  | 895 | 99 |  |  |  |  |  |  |  |  |  |  |
| ，000 | 120 |  | 975 | 1030 | 左 |  | 1151 |  | 860 | 941 | 1004 | 1056 | 112 | 1226 | 00 | 1516 | 1606 | 1679 | 178 | 963 | 1069 | 1138 | 190 | 1232 | 128 | 801 | 910 | 982 | 1037 | 08 | 1145 |
| ，000 | 140 | 973 | ， | 30 | 1175 | 1212 | 126 | 802 | 析 | 1021 | 1089 | 1146 | 122 | 1332 | 1521 | 1647 | 1744 | 1824 | 1935 | 1055 | 1173 | 1248 | 1305 | 1351 |  | 873 | 991 | 1069 | 1129 | 1178 | 247 |
| ， | 160，00 | 1048 | 1151 | 1216 | 1265 | 1305 | 13 | 857 | 997 | 1091 | 1163 | 1223 | 1308 | 1424 | 1626 | 1760 | 1864 | 1949 | 2067 | 1137 | 1263 | 1344 | 1405 | 1455 | 152 | 935 | 1061 | 114 | 129 | 262 | 析 |
|  | 180，00 | 1123 | 1233 | 1303 | 1355 | 1397 | 1455 |  | 1060 | 1159 | 1236 | 1300 | 1390 | 1516 | 1730 | 1873 | 1982 | 2073 | 219 | 1217 | 1353 | 1440 | 150 | 1559 | 163 | 997 | 1131 | 122 | 28 | 1344 | 1422 |
| 180，000 | 200，000 | 1190 | 1307 | 1381 | 1436 | 1481 |  | 959 | 1116 | 1221 | 1302 | 1369 |  |  | 1823 |  | 2089 | 2184 | 2316 |  |  |  |  |  |  |  |  | 1288 |  |  |  |
| 00，00 | or more |  |  | 1770 |  | 1899 |  |  | 1392 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |


| Income |  | Vermont |  |  | 6．0000\％ |  |  | Virginia |  |  | 4．0000\％ |  |  | Washington |  |  | 6．5000\％ |  |  | West Virginia |  |  |  | 6．0000\％ |  | Wisconsin |  |  | 5．0000\％ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \＄0 | \＄20，000 | 169 | 177 | 182 | 185 | 188 | 192 | 175 | 199 | 214 | 227 | 237 | 250 | 268 | 294 | 311 | 324 | 335 | 349 | 304 | 34 | 377 | 399 | 417 | 443 | 222 | 244 | 259 | 269 | 278 | 290 |
| 20，000 | 30，000 | 265 | 278 | 286 | 291 | 296 | 302 | 268 | 304 | 328 | 346 | 361 | 381 | 444 | 488 | 517 | 538 | 555 | 579 | 484 | 554 | 599 | 635 | 663 | 703 | 361 | 398 | 422 | 439 | 453 | 473 |
| 30，000 | 40，000 | 313 | 328 | 338 | 344 | 350 | 357 | 314 | 356 | 383 | 405 | 422 | 446 | 536 | 589 | 623 | 649 | 670 | 698 | 575 | 657 | 712 | 753 | 787 | 835 | 433 | 477 | 505 | 526 | 543 | 566 |
| 40，000 | 50，000 | 355 | 372 | 382 | 390 | 396 | 404 | 353 | 400 | 431 | 454 | 474 | 500 | 615 | 676 | 715 | 745 | 769 | 802 | 652 | 746 | 807 | 855 | 893 | 947 | 495 | 545 | 577 | 601 | 620 | 647 |
| 50，000 | 60，000 | 391 | 410 | 421 | 430 | 436 | 445 | 388 | 439 | 47 | 498 | 51 | 549 | 686 | 755 | 799 | 832 | 858 | 895 | 72 | 825 |  | 945 | 988 | 1048 | 550 | 606 | 642 | 668 | 690 | 719 |
| 60，000 | 70，000 | 425 | 445 | 457 | 466 | 473 | 483 | 419 | 474 | 510 | 538 | 561 | 592 | 752 | 827 | 875 | 911 | 940 | 981 | 784 | 897 | 971 | 1027 | 1074 | 1139 | 601 | 662 | 701 | 730 | 753 | 786 |
| 70，000 | 80，000 | 456 | 477 | 491 | 500 | 508 | 518 | 449 | 507 | 545 | 575 | 599 | 633 | 814 | 895 | 947 | 986 | 1018 | 1061 | 843 | 964 | 1044 | 1105 | 1155 | 1224 | 648 | 714 | 756 | 788 | 813 | 848 |
| 80，000 | 90，000 | 485 | 508 | 522 | 532 | 540 | 551 | 476 | 537 | 578 | 609 | 635 | 670 | 872 | 959 | 1014 | 1056 | 1090 | 1137 | 898 | 1027 | 1111 | 1176 | 1230 | 1304 | 693 | 763 | 808 | 842 | 869 | 906 |
| 90，000 | 100，000 | 512 | 536 | 551 | 562 | 570 | 582 | 501 | 566 | 609 | 641 | 668 | 705 | 927 | 1019 | 1078 | 1123 | 1159 | 1208 | 950 | 1086 | 1175 | 1244 | 1300 | 1378 | 735 | 809 | 857 | 893 | 922 | 961 |
| 100，000 | 120，000 | 547 | 573 | 589 | 601 | 610 | 622 | 535 | 603 | 649 | 683 | 712 | 751 | 999 | 1099 | 1162 | 1210 | 1249 | 1303 | 1018 | 1163 | 1259 | 1333 | 1393 | 1477 | 790 | 870 | 922 | 960 | 991 | 1034 |
| 120，000 | 140，000 | 596 | 624 | 641 | 654 | 664 | 678 | 580 | 654 | 703 | 740 | 771 | 814 | 1099 | 1208 | 1278 | 1331 | 1374 | 1433 | 1110 | 1269 | 1374 | 1454 | 1520 | 1611 | 866 | 954 | 1010 | 1053 | 1087 | 1133 |
| 140，000 | 160，000 | 638 | 668 | 687 | 700 | 711 | 726 | 620 | 698 | 750 | 790 | 823 | 868 | 1187 | 1304 | 1380 | 1437 | 1483 | 1547 | 1191 | 1361 | 1473 | 1559 | 1630 | 1728 | 932 | 1027 | 1088 | 1133 | 1170 | 1220 |
| 160，000 | 180，000 | 680 | 712 | 732 | 746 | 758 | 773 | 659 | 742 | 797 | 839 | 873 | 922 | 1274 | 1401 | 1482 | 1543 | 1593 | 1661 | 1271 | 1453 | 1572 | 1664 | 1739 | 1844 | 998 | 1100 | 1165 | 1214 | 1253 | 1306 |
| 180，000 | 200，000 | 718 | 752 | 772 | 787 | 800 | 816 | 694 | 781 | 838 | 883 | 919 | 970 | 1353 | 1487 | 1574 | 1639 | 1691 | 1764 | 1343 | 1535 | 1661 | 1758 | 1838 | 1948 | 1058 | 1166 | 1235 | 1286 | 1328 | 1385 |
| $\underline{200,000 ~ o r ~ m o r e ~}$ |  | 903 | 945 | 972 | 991 | 1006 | 1026 | 866 | 973 | 1043 | 1098 | 1142 | 1204 | 1750 | 1923 | 2035 | 2119 | 2187 | 2280 | 1700 | 1942 | 2102 | 2224 | 232 | 2464 | 1355 | 1494 | 1582 | 1648 | 1701 | 74 |
| Income |  | Wyoming |  |  | 4．0000\％ |  |  | Note．Alaska does not have a state sales tax．Alaska residents should follow the instructions on the next page to determine their local sales tax amount． |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| \＄0 | \＄20，000 | 166 | 181 | 191 | 198 | 204 | 211 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20,000 30,000 | 30,000 40,000 | 274 330 | 299 | 314 | 326 | 336 | 349 | 1 The rates for California，Connecticut，and North Carolina increased during 2011，so the rates given are averaged over the year． |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30,000 40,000 | 40,000 50,000 | 330 378 | 360 412 | 378 434 | 393 450 | 404 | 420 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 50，000 | 60，000 | 422 | 460 | 484 | 502 |  | 536 | 2 The California table includes the 1．25\％uniform local sales tax rate in addition to the $6.4959 \%$ blended state sales tax rate for a total of $7.7459 \%$ ． <br> 3 The Nevada table includes the $2.25 \%$ uniform local sales tax rate in addition to the $4.6000 \%$ state sales tax rate． <br> 4 Residents of Salem County should deduct only half of the amount in the state table． <br> 5 The $4.0 \%$ rate for Hawaii is actually an excise tax but is treated as a sales tax for purpose of this deduction． |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 60，000 | 70，000 | 461 | 503 | 529 | 549 | 565 | 587 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 70，000 | 80，000 | 499 | 544 | 573 | 594 | 611 | 635 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 80，000 | 90，000 | 534 | 582 | 613 | 636 | 654 | 679 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 90，000 | 100，000 | 567 | 618 | 651 | 675 | 695 | 722 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 100，000 | 120，000 | 611 | 666 | 701 | 727 | 748 | 777 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 120，000 | 140，000 | 672 | 732 | 770 | 799 | 822 | 854 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 140，000 | 160，000 | 724 | 789 | 831 | 862 | 887 | 921 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 160，000 | 180，000 | 777 | 847 | 891 | 925 | 952 | 988 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 180，000 | 200，000 | 825 | 899 | 946 | 981 | 1010 | 1049 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $\underline{200,000 ~ o r ~ m o r e ~}$ |  | 1064 |  |  | 1265 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

## Which Optional Local Sales Tax Table Should I Use?

| IF you live in the state of... | AND you live in... | THEN use Local Table... |
| :---: | :---: | :---: |
| Alaska | Any locality | C |
| Arizona | Mesa or Tucson | A |
|  | Chandler, Gilbert, Glendale, Peoria, Phoenix, Scottsdale, Tempe, Yuma, or any other locality | B |
| Arkansas | Any locality | B |
| California | Los Angeles County | A |
| Colorado | Adams County, Arapahoe County, Boulder County, Centennial, Colorado Springs, Denver City/Denver County, El Paso County, Jefferson County, Larimer County, Pueblo County, or any other locality | A |
|  | Arvada, Aurora, City of Boulder, Fort Collins, Greeley, Lakewood, Longmont, City of Pueblo, or Westminster | B |
|  | Thornton | C |
| Georgia | Any locality | B |
| Illinois | Any locality | A |
| Louisiana | One of the following parishes: Ascension, Bossier, Caddo, Calcasieu, East Baton Rouge, Iberia, Jefferson, Lafayette, Lafourche, Livingston, Orleans, Ouachita, Rapides, St. Bernard, St. Landry, St. Tammany, Tangipahoa, or Terrebonne | C |
|  | Any other locality | B |
| Missouri | Any locality | B |
| New York | Chautauqua County, Chenango County, Columbia County, Delaware County, Greene County, Hamilton County, Madison County, Tioga County, Wayne County, New York City, or Norwich City | A |
|  | One of the following counties: Albany, Allegany, Broome, Cattaraugus, Cayuga, Chemung, Clinton, Cortland, Dutchess, Erie, Essex, Franklin, Fulton, Genesee, Herkimer, Jefferson, Lewis, Livingston, Monroe, Montgomery, Nassau, Niagara, Oneida, Onondaga, Ontario, Orange, Orleans, Oswego, Otsego, Putnam, Rensselaer, Rockland, St. Lawrence, Saratoga, Schenectady, Schoharie, Schuyler, Seneca, Steuben, Suffolk, Sullivan, Tompkins, Ulster, Warren, Washington, Westchester, Wyoming, or Yates Or the City of Oneida | B |
|  | Any other locality | D |
| North Carolina | Any locality | A |
| South Carolina | Cherokee County, Chesterfield County, Darlington County, Dillon County, Horry County, Jasper County, Lee County, Lexington County, or Myrtle Beach | A |
|  | Charleston County or any other locality | B |
| Tennessee | Any locality | B |
| Utah | Any locality | A |
| Virginia | Any locality | B |

## 2011 Optional Local Sales Tax Tables for Certain Local Jurisdictions

## (Based on a local sales tax rate of 1 percent)*

| Income |  | Local Table A |  |  |  |  |  | Local Table B |  |  |  |  |  | Local Table C |  |  |  |  |  | Local Table D |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| At | But | Exemptions |  |  |  |  |  | Exemptions |  |  |  |  |  | Exemptions |  |  |  |  |  | Exemptions |  |  |  |  |  |
| least | than | 1 | 2 | 3 | 4 | 5 | $\begin{gathered} \text { Over } \\ 5 \end{gathered}$ | 1 | 2 | 3 | 4 | 5 | $\begin{gathered} \text { Over } \\ 5 \\ \hline \end{gathered}$ | 1 | 2 | 3 | 4 | 5 | $\begin{gathered} \text { Over } \\ 5 \end{gathered}$ | 1 | 2 | 3 | 4 | 5 | $\begin{gathered} \text { Over } \\ 5 \\ \hline \end{gathered}$ |
| \$0 | \$20,000 | 41 | 46 | 49 | 51 | 53 | 55 | 50 | 58 | 63 | 67 | 71 | 75 | 60 | 69 | 75 | 80 | 84 | 89 | 39 | 42 | 44 | 45 | 46 | 48 |
| 20,000 | 30,000 | 64 | 71 | 76 | 79 | 82 | 86 | 76 | 88 | 96 | 102 | 107 | 114 | 92 | 106 | 115 | 122 | 128 | 136 | 64 | 69 | 72 | 74 | 76 | 79 |
| 30,000 | 40,000 | 75 | 84 | 89 | 93 | 96 | 101 | 89 | 103 | 112 | 119 | 125 | 133 | 108 | 124 | 135 | 143 | 150 | 159 | 77 | 83 | 86 | 89 | 91 | 95 |
| 40,000 | 50,000 | 85 | 94 | 100 | 105 | 109 | 114 | 100 | 116 | 126 | 134 | 140 | 149 | 121 | 139 | 151 | 161 | 168 | 179 | 88 | 95 | 99 | 102 | 105 | 108 |
| 50,000 | 60,000 | 94 | 104 | 110 | 115 | 119 | 125 | 110 | 127 | 138 | 147 | 154 | 164 | 133 | 153 | 166 | 176 | 184 | 196 | 98 | 106 | 110 | 114 | 117 | 121 |
| 60,000 | 70,000 | 101 | 112 | 119 | 125 | 129 | 135 | 119 | 137 | 149 | 158 | 166 | 176 | 144 | 165 | 179 | 190 | 199 | 211 | 107 | 116 | 121 | 125 | 128 | 132 |
| 70,000 | 80,000 | 109 | 120 | 128 | 134 | 138 | 145 | 127 | 146 | 159 | 169 | 177 | 188 | 154 | 177 | 192 | 203 | 213 | 226 | 116 | 125 | 131 | 135 | 138 | 143 |
| 80,000 | 90,000 | 115 | 128 | 136 | 142 | 147 | 154 | 135 | 155 | 168 | 179 | 187 | 199 | 163 | 187 | 203 | 215 | 225 | 239 | 124 | 134 | 140 | 144 | 148 | 153 |
| 90,000 | 100,000 | 122 | 135 | 143 | 150 | 155 | 162 | 142 | 163 | 177 | 188 | 197 | 210 | 172 | 197 | 214 | 227 | 237 | 252 | 132 | 142 | 148 | 153 | 157 | 162 |
| 100,000 | 120,000 | 130 | 144 | 153 | 160 | 165 | 173 | 151 | 174 | 189 | 200 | 210 | 223 | 183 | 210 | 228 | 241 | 253 | 268 | 142 | 153 | 160 | 165 | 169 | 175 |
| 120,000 | 140,000 | 141 | 156 | 166 | 174 | 180 | 188 | 164 | 188 | 204 | 217 | 227 | 241 | 199 | 228 | 247 | 262 | 274 | 291 | 156 | 168 | 175 | 181 | 186 | 192 |
| 140,000 | 160,000 | 151 | 167 | 178 | 186 | 192 | 201 | 175 | 200 | 218 | 231 | 242 | 257 | 212 | 243 | 263 | 279 | 292 | 310 | 168 | 181 | 189 | 195 | 200 | 207 |
| 160,000 | 180,000 | 161 | 178 | 189 | 197 | 204 | 214 | 185 | 213 | 231 | 245 | 257 | 273 | 225 | 258 | 280 | 296 | 310 | 329 | 180 | 194 | 203 | 209 | 215 | 222 |
| 180,000 | 200,000 | 170 | 188 | 199 | 208 | 215 | 225 | 195 | 224 | 243 | 258 | 270 | 287 | 237 | 272 | 294 | 312 | 326 | 346 | 191 | 206 | 215 | 222 | 228 | 235 |
| 200,000 | more | 213 | 235 | 249 | 260 | 269 | 282 | 242 | 278 | 301 | 319 | 334 | 355 | 295 | 338 | 366 | 387 | 405 | 430 | 247 | 265 | 277 | 286 | 293 | 303 |

[^2]

|  |  |  |  |  |  | Ni |  |  |  |  | ले̀ |  | $\begin{array}{\|c} \stackrel{\rightharpoonup}{0} \\ \vec{C} \\ \stackrel{y}{j} \end{array}$ |  | ¢ | $\stackrel{\text { ¢ }}{ }$ | － |  |  |  | N |  | － |  |  |  | \|⿳亠丷⿵冂⿱八口丸 | － | $\begin{aligned} & \substack{\circ \\ \hline \\ \underset{\sim}{2} \\ \hline} \end{aligned}$ |  |  |  |  |  | ©్రిㅇ |  |  | $\stackrel{\circ}{\circ}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | O | $\begin{array}{ll} 3 \\ \vdots \\ \vdots \\ 0 \\ 0 \end{array}$ |  |  |  |  |  |  | $\begin{gathered} 8 \\ 0.0 \\ 0 \\ 0 \end{gathered}$ | $\begin{array}{ll} \hline 8 \\ \hline 8 \\ \substack{8 \\ \hline \\ \hline \\ \hline \\ \hline \\ \hline} \end{array}$ | $\left.\begin{array}{\|c} \hline 8 \\ \underset{\sim}{\mathrm{j}} \end{array} \right\rvert\,$ | O |  |  | $\begin{aligned} & 8 \\ & 0 \\ & 0 \\ & 0 \\ & -1 \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ |  |  |  | $\left.\begin{array}{\|l\|} \hline- \\ \dot{\infty} \\ \infty \\ \infty \end{array} \right\rvert\,$ |  |  |  | ৪ | $\left. \right\rvert\,$ | $\begin{aligned} & \hline 8 \\ & \dot{0} \\ & \hline \\ & \hline \end{aligned}$ | $\begin{aligned} & 8 \\ & \dot{\sim} \\ & \underset{\sim}{2} \\ & \underset{\sim}{2} \end{aligned}$ | Oi |  |  | $\begin{array}{ll} 0 \\ \hline 0 \\ \hline \end{array}$ | $\underset{\sim}{\infty}$ |  | Bo |  | $\begin{aligned} & \hline 0 \\ & 0 \\ & \underset{\sim}{3} \end{aligned}$ | － |
|  |  | $\begin{array}{\|l} \hline 8 \\ 0 \\ 0 \\ 0 \\ 10 \end{array}$ | $?$ | $\begin{gathered} \underset{\sim}{\mathrm{N}} \\ \mathrm{~N} \end{gathered}$ |  |  |  |  |  |  |  | $\left[\begin{array}{c} \mathrm{N} \\ \overrightarrow{0} \end{array}\right]$ | O－ |  | O | $\left.\begin{array}{\|c} \hline 8 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} \right\rvert\,$ | $\begin{aligned} & 8 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |  | 0 0 0 -1 -0 |  |  |  |  |  |  | $\begin{array}{\|c} \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline \end{array}$ | +ís |  | $\underset{\sim}{\mathrm{N}}$ | $\begin{gathered} \mathbf{O} \\ 0 \\ \underset{\sim}{0} \\ 0 \end{gathered}$ |  |  | $\underset{\sim}{\infty}$ | $\begin{array}{\|l} \hline 8 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array}$ | $\begin{gathered} \substack{1 \\ \\ \\ 0 \\ \hline} \end{gathered}$ |  |  |  |
|  |  | $\begin{aligned} & 8 \\ & \vdots \\ & \text { den } \end{aligned}$ |  | $\begin{array}{\|l\|l} \hline \stackrel{\rightharpoonup}{\dot{U}} \\ \hline 0 \end{array}$ |  |  |  |  | － |  |  | $\begin{aligned} & \hline 8 \\ & 0 \\ & 0 \\ & 子 \end{aligned}$ | $\stackrel{\circ}{\circ}$ |  |  | $$ |  |  | $\left.\begin{aligned} & 8 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned} \right\rvert\,$ |  | $\begin{gathered} \hline \stackrel{\rightharpoonup}{\mathbf{j}} \\ \underset{\sim}{\mathrm{j}} \end{gathered}$ |  |  |  | $\begin{aligned} & 8 \\ & 0 . \\ & \text { in } \end{aligned}$ | $\left.\begin{array}{\|l\|} \hline 8 \\ \underset{\sim}{i} \\ \end{array} \right\rvert\,$ | － | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 8 \\ & \hline \end{aligned}$ | $$ |  | $\begin{gathered} \substack{8 \\ \underset{\sim}{2} \\ \hline} \end{gathered}$ | $\left\|\begin{array}{\|c\|} \hline \mathbf{O} \\ \mathbf{N} \\ \hline \end{array}\right\|$ | y | $$ | $0$ |  |  | O， |
|  |  | Bo |  |  |  |  |  |  |  |  |  | $\begin{aligned} & 68 \\ & 80 \end{aligned}$ |  |  |  | O | 8 <br> 0 <br> 0 <br> 0 <br> 0 <br> m |  | O |  |  |  |  |  | $\begin{aligned} & \mathrm{O} \\ & \stackrel{1}{\mid} \\ & \text { ल. } \end{aligned}$ | O－ | Mi |  | － | O － ने ले | $\left(\left.\begin{array}{c} 8 \\ \underset{\sim}{N} \\ \underset{\sim}{n} \end{array} \right\rvert\,\right.$ | $\begin{array}{ll} 0 \\ \hline \end{array}$ | $\underset{\sim}{\sim}$ |  | $0$ |  |  | $\begin{aligned} & \hline 0 \\ & 0 . \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ |
|  |  | $\left\lvert\, \begin{aligned} & 8 \\ & 0 \\ & 0 \\ & 8 \end{aligned}\right.$ | $\stackrel{\circ}{\circ}$ | $\underset{\sim}{x}$ |  |  |  |  | $\infty \infty$ |  |  | $\underset{\sim}{n}$ | $\begin{aligned} & 8 \\ & \infty \\ & \infty \end{aligned}$ | Bo | $\dot{8}$ | $0$ | $\begin{array}{\|l} \hline 0 \\ 0 \\ 0 \\ \hline \end{array}$ | － |  |  | $\left.\begin{gathered} 9 \\ 8 \\ \infty \end{gathered} \right\rvert\,$ | O |  |  |  | $\begin{aligned} & \underset{\sim}{\infty} \\ & \dot{O} \\ & \dot{C} \end{aligned}$ | － | $\begin{array}{\|c} \underset{\sim}{2} \\ \text { à } \end{array}$ | $\begin{array}{\|c} \infty \\ \underset{\sim}{0} \\ \hline \end{array}$ | $\begin{aligned} & \infty \\ & \underset{\sim}{\mathcal{N}} \\ & \hline \end{aligned}$ | $\left\|\begin{array}{c} \underset{y}{c} \\ \underset{\sim}{j} \end{array}\right\|$ | $\begin{gathered} \underset{\sim}{o} \\ \dot{y} \\ \end{gathered}$ | $\underset{\sim}{F}$ |  | Ni |  | O | － |
|  |  | $\begin{array}{\|l\|l\|l\|} \hline \infty \\ 0 \\ 0 \\ \hline \end{array}$ | Bo | $\left.\begin{array}{\|c} 9 \\ \mathrm{i} \\ \mathrm{i} \end{array} \right\rvert\,$ |  |  |  |  |  | $\begin{aligned} & 8 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |  | $\mid$ |  | $\dot{\circ}$ | $\begin{aligned} & 4 \\ & \hline 0 \end{aligned}$ | $\left.\begin{array}{\|l\|} \hline 0 \\ 0 \\ 0 \end{array} \right\rvert\,$ | $\begin{aligned} & 0 \\ & \hline 0 \\ & \stackrel{0}{8} \end{aligned}$ | － | -i |  |  | O |  |  | $\begin{gathered} \mathrm{N} \\ \text { NÓn } \\ \hline \end{gathered}$ | $\left.\begin{array}{\|l\|} \hline 0 \\ \dot{O} \\ 0 \end{array} \right\rvert\,$ | $\begin{array}{\|l\|l\|} \hline+ \\ \dot{8} \\ \hline 8 \end{array}$ | $$ | $\begin{gathered} \infty \\ 0 \\ 0 \\ 0 \end{gathered}$ | $\left. \right\rvert\,$ | $\begin{array}{\|c} \hline \stackrel{y}{c} \\ \underset{\sim}{j} \end{array}$ |  | $\underset{\sim}{\infty}$ | 0 <br> 0 <br> 0 <br> 0 <br> 0 |  |  |  | － |
|  | $\begin{aligned} & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 9 \\ & \hline \\ & \hline \end{aligned}$ | $\mathfrak{c}$ |  | － | $\begin{array}{l\|l} 8 \\ \stackrel{\mathrm{~m}}{1} & \stackrel{0}{\mathrm{~m}} \\ \hline \end{array}$ |  |  | $\underset{\sim}{j} \mid \underset{\sim}{j}$ |  | $\stackrel{y}{\dot{\sim}} \mid \dot{寸}$ | 守 | $\begin{array}{\|c} \hline 8 \\ 9 \\ \hline \end{array}$ |  | $\dot{q}$ | Cి\| | $\left\lvert\, \begin{gathered} \infty \\ \dot{n} \end{gathered}\right.$ | in | 访 |  | $\begin{aligned} & \hline \stackrel{N}{\mathrm{q}} \end{aligned}$ |  | in |  | $\begin{aligned} & 0 \\ & \text { in } \\ & \hline \end{aligned}$ | $\begin{gathered} \underset{\sim}{\underset{\sim}{i}} \\ \mid \end{gathered}$ | ก | $\begin{aligned} & \hline 0 \\ & \hline 0 \\ & \hline \end{aligned}$ | $8$ | $\begin{gathered} 9 \\ y \\ i \\ i \end{gathered}$ | $\begin{aligned} & \mathrm{N} \\ & \underset{\sim}{\mathrm{u}} \end{aligned}$ | $\begin{array}{\|c} \underset{\sim}{\mathrm{N}} \end{array}$ | © | $\begin{array}{\|c} \hline 9 \\ \dot{n} \\ \hline \end{array}$ | \|아 |  | （1） | － |
|  | $\mathfrak{c} \mid \underset{\sim}{\infty}$ | $\left\|\begin{array}{c} \underset{\sim}{\dot{0}} \\ \underset{\sim}{2} \end{array}\right\|$ | pip | $\underset{\sim}{\sim}$ |  |  |  |  |  | ভ্লু |  | $\stackrel{\omega}{\circ}$ | 잉 |  |  | $\left.\begin{array}{\|c} \mathbf{M} \\ \mathbf{M} \\ \hline \end{array} \right\rvert\,$ | $\begin{aligned} & \infty \\ & 0 \\ & m \\ & m \end{aligned}$ | \|্লি |  |  | $\left.\begin{array}{\|c} N \\ \underset{\sim}{8} \\ \hline \end{array} \right\rvert\,$ |  |  |  | $\begin{aligned} & \text { O} \\ & \underset{\sim}{-} \end{aligned}$ | $\begin{aligned} & \underset{\sim}{y} \\ & \underset{\sim}{i} \\ & \hline \end{aligned}$ | $\left\lvert\, \begin{aligned} & N \\ & \\ & \hline \end{aligned}\right.$ |  | ／ | $\begin{aligned} & \dot{g} \\ & \underset{i}{i} \end{aligned}$ | $\begin{gathered} \underset{\sim}{n} \\ \underset{\sim}{c} \end{gathered}$ |  |  | O <br> 1 <br> 1 | popic |  |  |  |
|  |  | $\left\|\begin{array}{r} \mathrm{A} \end{array}\right\|$ | $\underset{\sim}{i}$ |  |  |  |  |  | $\underset{\sim}{n}$ |  |  | $\underset{\sim}{\infty}$ | $\begin{aligned} & 0 \\ & 0 \\ & 9 \end{aligned}$ | $\underset{\sim}{9}$ | $\underset{\sim}{2}$ |  | $\dot{\sim}$ | 긴 | $\dot{\sim} \dot{\sim}$ | $\dot{\sim} \underset{\sim}{\sim}$ | $\stackrel{0}{0}-$ | ค | $\stackrel{i}{2}$ |  | $\stackrel{\sim}{\sim}$ | $\begin{array}{\|c} \hline 8 \\ \dot{N} \\ \hline \end{array}$ | － | $\begin{aligned} & \underset{\infty}{\infty} \\ & \underset{\sim}{n} \end{aligned}$ | $\underset{\sim}{\sim}$ | $\mid$ | $\mathfrak{c}$ | $\begin{aligned} & \infty \\ & \underset{N}{n} \\ & \stackrel{n}{n} \end{aligned}$ | $\stackrel{\sim}{\sim}$ | $\begin{aligned} & \underset{\sim}{\mathrm{N}} \\ & \hline \end{aligned}$ | $\|\underset{\mathrm{N}}{\mathrm{~N}}\|$ |  |  | ${ }_{N}^{N}$ |
|  |  | $\left\|\begin{array}{c} \stackrel{y}{\mathrm{j}} \\ \underset{\sim}{7} \end{array}\right\|$ |  |  |  |  |  |  |  | $\underset{7}{7}$ |  | $\underbrace{\prime}_{i} \underset{\sim}{c} \underset{\sim}{\sim}$ |  |  |  | $\begin{aligned} & \text { N} \\ & \underset{\sim}{\mathrm{N}} \end{aligned}$ | $\begin{gathered} N \\ \end{gathered}$ |  |  |  | $\stackrel{0}{\mathrm{a}}$ | 무 | O |  | $\begin{aligned} & \text { U } \\ & \mathbf{N} \end{aligned}$ | $\begin{array}{\|c} \hline 0 \\ \underset{y}{0} \\ \underset{\sim}{2} \end{array}$ | $\begin{aligned} & \text { n } \\ & \text { N } \\ & \underset{\sim}{n} \end{aligned}$ | $\begin{aligned} & \underset{\sim}{\infty} \\ & \underset{\sim}{\sim} \end{aligned}$ | $\stackrel{\rightharpoonup}{\underset{\sim}{A}}$ | $\begin{aligned} & \underset{O}{0} \\ & \underset{\sim}{\dot{Z}} \end{aligned}$ | $\begin{aligned} & \infty \\ & \substack{\infty \\ \underset{~}{2} \\ \hline} \end{aligned}$ | Bic |  | - <br> $\underset{\sim}{N}$ <br> N <br>  | No |  |  |  |
|  |  | $\left\|\begin{array}{c} \infty \\ 0 \\ 0 \end{array}\right\|$ | $\underset{\sim}{\sim}$ | $\xrightarrow[\sim]{\sim}$ | ， | $\stackrel{+}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\infty}{\sim}$ | $\underset{\infty}{\infty}$ |  | $\underset{\infty}{0} \underset{\infty}{\infty}$ | $\stackrel{N}{7}$ | $\begin{aligned} & 0 \\ & \alpha_{i} \end{aligned}$ | O. |  | $\begin{aligned} & 0 \\ & 0 \\ & 0 \end{aligned}$ | － |  | $\dot{i}$ | $\vec{i}$ | ${ }^{\circ}$ | － | $0$ |  | 익 | $\begin{aligned} & \infty \\ & \dot{\sim} \\ & \dot{\sim} \end{aligned}$ | $\stackrel{\square}{1}$ | N | － | $\stackrel{\sim}{\text { ¢ }}$ | $\cdots$ | ＋ | － | न－ | $\xrightarrow{\sim}$ |  |  |  |
|  | $\underset{\sim}{n}$ | $\left.\begin{array}{\|l\|} \hline \infty \\ 0 \\ 0 \\ 0 \end{array} \right\rvert\,$ | $\left.\begin{array}{\|c} 0 \\ i n \end{array} \right\rvert\,$ | $\underset{\sim}{\circ}$ |  |  | $\stackrel{n}{n}$ |  |  |  |  | $0$ | O | $\dot{8}$ |  | $\begin{aligned} & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{array}{\|c} 0 \\ 0 \\ 0 \\ 0 \end{array}$ | $0$ |  |  | $\stackrel{\infty}{\infty} \underset{\sim}{\circ}$ | © |  |  | $\begin{aligned} & \text { N} \\ & 0 \\ & \hline \end{aligned}$ | $\begin{array}{\|c} \infty \\ + \\ \dot{0} \end{array}$ | $\begin{aligned} & 0 \\ & \hline 8 \end{aligned}$ | $\begin{gathered} N \\ \underset{\sigma}{N} \end{gathered}$ | む̃ં | $\begin{array}{\|c} \infty \\ \underset{\sim}{\mathrm{o}} \\ \mathrm{o} \end{array}$ | $\|\dot{\sim}\|$ | $\begin{aligned} & \mathrm{U} \\ & \mathbf{U} \\ & \mathrm{o} \end{aligned}$ | N | $\left\|\begin{array}{c} \mathbf{i} \\ \dot{0} \end{array}\right\|$ | －i |  | OT | － |
|  |  | $\stackrel{0}{\sim}$ | $\left\|\begin{array}{c} \vec{e} \\ \stackrel{n}{2} \end{array}\right\|$ |  |  |  |  |  |  |  |  | $\stackrel{\infty}{\circ}$ | $\begin{array}{\|c} \stackrel{n}{n} \\ \end{array}$ |  |  | $\stackrel{\sim}{\mathrm{\sim}}$ | $\begin{array}{\|c\|} \hline- \\ \infty \\ \infty \end{array}$ |  | $\begin{array}{cc} \mathrm{N}_{1} \\ \hline \end{array}$ | $\underset{\infty}{\substack{\infty \\ \infty}} \underset{\infty}{i n}$ | $\mathfrak{p}$ | $\stackrel{\sim}{\sim}$ | O |  | $\underset{\sim}{\top}$ | $0$ | $\stackrel{\infty}{\stackrel{\infty}{\sim}}$ | $\underset{\infty}{\infty}$ | $0^{\circ}$ | $\begin{array}{\|c} \vec{N} \\ 0 \end{array}$ | $\stackrel{m}{\infty}$ | $\stackrel{\infty}{\circ}$ | o |  | $\left\|\begin{array}{c} + \\ \infty \end{array}\right\|$ |  | O | N |
|  | $\stackrel{\text { ¢ }}{\text { j }}$ | $\left\lvert\, \begin{array}{\|c} \substack{\mathrm{O} \\ \underset{\sim}{2} \\ \hline} \end{array}\right.$ | $\mathfrak{j}$ | $\underset{\sim}{\dot{\sim}} \underset{\sim}{\sim} \underset{\sim}{\underset{\sim}{\sim}}$ |  |  |  |  |  |  |  | $\begin{aligned} & \text { } \\ & \text { J } \\ & \text { G } \end{aligned}$ | $\begin{aligned} & \infty \\ & \infty \\ & \dot{f} \end{aligned}$ |  |  |  |  |  |  |  | $\begin{aligned} & \infty \\ & \infty \\ & \dot{寸} \end{aligned}$ | ¢ |  |  | $\begin{aligned} & \hline \underset{\sim}{N} \\ & \stackrel{\sim}{f} \end{aligned}$ | $\begin{array}{\|c} \substack{e \\ \dot{\sim} \\ \dot{\sim} \\ \hline} \end{array}$ |  | $\begin{aligned} & \mathrm{f} \\ & \dot{寸} \\ & \dot{q} \end{aligned}$ | $\left\|\begin{array}{l} 0 \\ 0 \\ 9 \end{array}\right\|$ | $\begin{array}{\|c} \underset{\sim}{\hat{0}} \\ \dot{\sigma} \end{array}$ | $\begin{aligned} & m \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \infty \\ & 0 \\ & 0 \\ & \dot{\gamma} \end{aligned}$ | $\stackrel{\rightharpoonup}{7}$ | $\begin{array}{\|c} \substack{\infty \\ \dot{C} \\ \dot{子} \\ \hline} \end{array}$ | $\left\|\begin{array}{l} \dot{6} \\ \dot{\sim} \end{array}\right\|$ |  |  | － |
|  | － | $\begin{aligned} & \hline \\ & \hline \mathbf{c} \\ & \text { n } \end{aligned}$ | $\begin{aligned} & \mathbf{y} \\ & \substack{n \\ ~} \end{aligned}$ |  | $\stackrel{N}{\substack{0}}$ | $\underset{\mathrm{m}}{\mathrm{~N}} \mathrm{\sim}$ | $\begin{gathered} \infty \\ \underset{m}{\infty} \\ \\ \hline \end{gathered}$ |  |  |  | $\underset{\sim}{\infty} \underset{\sim}{\mathrm{m}} \underset{\sim}{\mathrm{~F}}$ | $\begin{aligned} & \text { en } \\ & \underset{\sim}{2} \end{aligned}$ | $\begin{aligned} & \hline \dot{O} \\ & \dot{子} \end{aligned}$ |  | $\begin{aligned} & \infty \\ & \underset{\sim}{\circ} \\ & \hline \end{aligned}$ | Nop | －0 |  | $\begin{array}{l\|l\|l\|l\|l\|l\|l\|l\|l\|l\|l\|l\|l\|l\|l\|l\|l\|l\|l\|l\|l\|l\|l\|} \hline \end{array}$ | $\begin{gathered} \infty \\ \\ \stackrel{\sim}{n} \\ \hline \end{gathered}$ | － | ， |  | $\dot{j}$ | $\begin{aligned} & \mathbf{O} \\ & \stackrel{H}{n} \end{aligned}$ | $\begin{gathered} \mathrm{N} \\ \underset{\sim}{n} \end{gathered}$ | ค่ | ¢ | － | $\begin{aligned} & \overline{7} \\ & \hline \end{aligned}$ | N | － | $\circ$ |  | เ่ |  | ¢ | － |
|  | $\stackrel{\circ}{\text { N}}$ | $\begin{array}{\|c} \hline 0 \\ \mathrm{o}_{\mathrm{j}} \end{array}$ |  |  |  | $\stackrel{\circ}{\circ}$ | $\begin{aligned} & \infty \\ & \underset{N}{\infty} \\ & \underset{\sim}{0} \\ & \hline \end{aligned}$ |  |  |  | $\begin{gathered} \infty \\ \mathbf{m} \\ \underset{N}{2} \\ \hline \end{gathered}$ | $\dot{\sim} \dot{\underset{\sim}{c}} \underset{\sim}{\circ} \underset{\sim}{\circ}$ | $\begin{aligned} & \text { প্র } \\ & \text { N } \end{aligned}$ |  |  | Nop | $\begin{aligned} & \infty \\ & \hline \\ & 0 \\ & \hline \end{aligned}$ | － |  | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | BN |  |  |  | $\begin{aligned} & 0 \\ & \underset{ल}{6} \end{aligned}$ | $\begin{array}{\|c} \hline \\ N \\ \text { N } \end{array}$ | ले | $\begin{aligned} & \mathrm{O} \\ & \stackrel{\rightharpoonup}{\mathrm{M}} \end{aligned}$ | -i | $\begin{aligned} & \underset{\sim}{A} \\ & \underset{M}{2} \end{aligned}$ | $\begin{aligned} & \mathrm{N} \\ & \underset{\mathrm{~N}}{ } \end{aligned}$ | N | － | $\begin{aligned} & \vec{W} \\ & 0 \\ & e \\ & \hline \end{aligned}$ | $\left.\begin{array}{\|c} 0 \\ \dot{C} \end{array} \right\rvert\,$ |  | O | － |
|  | O | 3 | $\stackrel{\rightharpoonup}{0}$ | $\begin{array}{ll} 50 \\ 0 \\ 0 \end{array}$ |  | 安产 | 三 | $5$ | $\stackrel{\text { N }}{ }$ | 4 | $\frac{\pi}{2}$ | \％ | O |  | $\begin{array}{c\|c} 0 \\ 0 \\ 0 \end{array}$ | $\begin{array}{rl\|l} \stackrel{\rightharpoonup}{0} & \stackrel{\rightharpoonup}{\omega} \\ \hline 0 \\ \hline \end{array}$ | $p_{2}^{2}$ |  | 三 |  | $\frac{\grave{a}}{1}$ | $\sum_{1}^{2}$ | $\stackrel{\text { m}}{\infty}$ | L | \％ | $\stackrel{\stackrel{\Delta}{\Delta}}{\mid}$ | ठ | $\begin{aligned} & \dot{0} \\ & \hline \end{aligned}$ |  | $\begin{aligned} & \text { B1 } \\ & \hline \end{aligned}$ | 亏 | $\stackrel{5}{\leftrightharpoons}$ | $\sum_{i}^{\text {® }}$ | $\sum^{\text {c }}$ | $\sum^{\text {® }}$ | － | 이ㄴㅠㅜㄲ | \％ |
| $\begin{aligned} & \stackrel{\rightharpoonup}{\underset{\sim}{x}} \\ & \underset{\sim}{\omega} \\ & \underset{\sim}{\omega} \end{aligned}$ |  | $\hat{0}$ | 잉 | $\underset{\sim}{\underset{\sim}{2}}$ | 웅 | os | 잉 |  | $\hat{o}$ | $\bar{o}$ | $5$ | $\underset{\sim}{\substack{0}}$ |  |  | $0$ |  | ON |  |  |  | $3$ |  | O |  | $8$ | $\stackrel{L}{0}$ | O | O | Bop | $\begin{array}{\|c\|c\|c\|c\|c\|} \hline \stackrel{N}{0} \\ \hline \end{array}$ | $10$ | $\begin{array}{\|c\|c\|c\|c\|c\|} \hline \stackrel{y}{0} \\ \hline \end{array}$ |  | ONㅜ | Bo |  | \％ | O |


药岦岂

|  |  |  |  |  |  | Ni |  |  |  |  | ले̀ |  | $\begin{array}{\|c} \stackrel{\rightharpoonup}{0} \\ \vec{C} \\ \stackrel{y}{j} \end{array}$ |  | ¢ | $\stackrel{\text { ¢ }}{ }$ | － |  |  |  | N |  | － |  |  |  | \|⿳亠丷⿵冂⿱八口丸 | － | $\begin{aligned} & \substack{\circ \\ \hline \\ \underset{\sim}{2} \\ \hline} \end{aligned}$ |  |  |  |  |  | ©్రిㅇ |  |  | $\stackrel{\circ}{\circ}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | O | $\begin{array}{ll} 3 \\ \vdots \\ \vdots \\ 0 \\ 0 \end{array}$ |  |  |  |  |  |  | $\begin{gathered} 8 \\ 0.0 \\ 0 \\ 0 \end{gathered}$ | $\begin{array}{ll} \hline 8 \\ \hline 8 \\ \substack{8 \\ \hline \\ \hline \\ \hline \\ \hline \\ \hline} \end{array}$ | $\left.\begin{array}{\|c} \hline 8 \\ \underset{\sim}{\mathrm{j}} \end{array} \right\rvert\,$ | O |  |  | $\begin{aligned} & 8 \\ & 0 \\ & 0 \\ & 0 \\ & -1 \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ |  |  |  | $\left.\begin{array}{\|l\|} \hline- \\ \dot{\infty} \\ \infty \\ \infty \end{array} \right\rvert\,$ |  |  |  | ৪ | $\left. \right\rvert\,$ | $\begin{aligned} & \hline 8 \\ & \dot{0} \\ & \hline \\ & \hline \end{aligned}$ | $\begin{aligned} & 8 \\ & \dot{\sim} \\ & \underset{\sim}{2} \\ & \underset{\sim}{2} \end{aligned}$ | Oi |  |  | $\begin{array}{ll} 0 \\ \hline 0 \\ \hline \end{array}$ | $\underset{\sim}{\infty}$ |  | Bo |  | $\begin{aligned} & \hline 0 \\ & 0 \\ & \underset{\sim}{3} \end{aligned}$ | － |
|  |  | $\begin{array}{\|l} \hline 8 \\ 0 \\ 0 \\ 0 \\ 10 \end{array}$ | $?$ | $\begin{gathered} \underset{\sim}{\mathrm{N}} \\ \mathrm{~N} \end{gathered}$ |  |  |  |  |  |  |  | $\left[\begin{array}{c} \mathrm{N} \\ \overrightarrow{0} \end{array}\right]$ | O－ |  | O | $\left.\begin{array}{\|c} \hline 8 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} \right\rvert\,$ | $\begin{aligned} & 8 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |  | 0 0 0 -1 -0 |  |  |  |  |  |  | $\begin{array}{\|c} \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline \end{array}$ | +ís |  | $\underset{\sim}{\mathrm{N}}$ | $\begin{gathered} \mathbf{O} \\ 0 \\ \underset{\sim}{0} \\ 0 \end{gathered}$ |  |  | $\underset{\sim}{\infty}$ | $\begin{array}{\|l} \hline 8 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array}$ | $\begin{gathered} \substack{1 \\ \\ \\ 0 \\ \hline} \end{gathered}$ |  |  |  |
|  |  | $\begin{aligned} & 8 \\ & \vdots \\ & \text { den } \end{aligned}$ |  | $\begin{array}{\|l\|l} \hline \stackrel{\rightharpoonup}{\dot{U}} \\ \hline 0 \end{array}$ |  |  |  |  | － |  |  | $\begin{aligned} & \hline 8 \\ & 0 \\ & 0 \\ & 子 \end{aligned}$ | $\stackrel{\circ}{\circ}$ |  |  | $$ |  |  | $\left.\begin{aligned} & 8 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned} \right\rvert\,$ |  | $\begin{gathered} \hline \stackrel{\rightharpoonup}{\mathbf{j}} \\ \underset{\sim}{\mathrm{j}} \end{gathered}$ |  |  |  | $\begin{aligned} & 8 \\ & 0 . \\ & \text { in } \end{aligned}$ | $\left.\begin{array}{\|l\|} \hline 8 \\ \underset{\sim}{i} \\ \end{array} \right\rvert\,$ | － | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 8 \\ & \hline \end{aligned}$ | $$ |  | $\begin{gathered} \substack{8 \\ \underset{\sim}{2} \\ \hline} \end{gathered}$ | $\left\|\begin{array}{\|c\|} \hline \mathbf{O} \\ \mathbf{N} \\ \hline \end{array}\right\|$ | y | $$ | $0$ |  |  | O， |
|  |  | Bo |  |  |  |  |  |  |  |  |  | $\begin{aligned} & 68 \\ & 80 \end{aligned}$ |  |  |  | O | 8 <br> 0 <br> 0 <br> 0 <br> 0 <br> m |  | O |  |  |  |  |  | $\begin{aligned} & \mathrm{O} \\ & \stackrel{1}{\mid} \\ & \text { ल. } \end{aligned}$ | O－ | Mi |  | － | O － ने ले | $\left(\left.\begin{array}{c} 8 \\ \underset{\sim}{N} \\ \underset{\sim}{n} \end{array} \right\rvert\,\right.$ | $\begin{array}{ll} 0 \\ \hline \end{array}$ | $\underset{\sim}{\sim}$ |  | $0$ |  |  | $\begin{aligned} & \hline 0 \\ & 0 . \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ |
|  |  | $\left\lvert\, \begin{aligned} & 8 \\ & 0 \\ & 0 \\ & 8 \end{aligned}\right.$ | $\stackrel{\circ}{\circ}$ | $\underset{\sim}{x}$ |  |  |  |  | $\infty \infty$ |  |  | $\underset{\sim}{n}$ | $\begin{aligned} & 8 \\ & \infty \\ & \infty \end{aligned}$ | Bo | $\dot{8}$ | $0$ | $\begin{array}{\|l} \hline 0 \\ 0 \\ 0 \\ \hline \end{array}$ | － |  |  | $\left.\begin{gathered} 9 \\ 8 \\ \infty \end{gathered} \right\rvert\,$ | O |  |  |  | $\begin{aligned} & \underset{\sim}{\infty} \\ & \dot{O} \\ & \dot{C} \end{aligned}$ | － | $\begin{array}{\|c} \underset{\sim}{2} \\ \text { à } \end{array}$ | $\begin{array}{\|c} \infty \\ \underset{\sim}{0} \\ \hline \end{array}$ | $\begin{aligned} & \infty \\ & \underset{\sim}{\mathcal{N}} \\ & \hline \end{aligned}$ | $\left\|\begin{array}{c} \underset{y}{c} \\ \underset{\sim}{j} \end{array}\right\|$ | $\begin{gathered} \underset{\sim}{o} \\ \dot{y} \\ \end{gathered}$ | $\underset{\sim}{F}$ |  | Ni |  | O | － |
|  |  | $\begin{array}{\|l\|l\|l\|} \hline \infty \\ 0 \\ 0 \\ \hline \end{array}$ | Bo | $\left.\begin{array}{\|c} 9 \\ \mathrm{i} \\ \mathrm{i} \end{array} \right\rvert\,$ |  |  |  |  |  | $\begin{aligned} & 8 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |  | $\mid$ |  | $\dot{\circ}$ | $\begin{aligned} & 4 \\ & \hline 0 \end{aligned}$ | $\left.\begin{array}{\|l\|} \hline 0 \\ 0 \\ 0 \end{array} \right\rvert\,$ | $\begin{aligned} & 0 \\ & \hline 0 \\ & \stackrel{0}{8} \end{aligned}$ | － | -i |  |  | O |  |  | $\begin{gathered} \mathrm{N} \\ \text { NÓn } \\ \hline \end{gathered}$ | $\left.\begin{array}{\|l\|} \hline 0 \\ \dot{O} \\ 0 \end{array} \right\rvert\,$ | $\begin{array}{\|l\|l\|} \hline+ \\ \dot{8} \\ \hline 8 \end{array}$ | $$ | $\begin{gathered} \infty \\ 0 \\ 0 \\ 0 \end{gathered}$ | $\left. \right\rvert\,$ | $\begin{array}{\|c} \hline \stackrel{y}{c} \\ \underset{\sim}{j} \end{array}$ |  | $\underset{\sim}{\infty}$ | 0 <br> 0 <br> 0 <br> 0 <br> 0 |  |  |  | － |
|  | $\begin{aligned} & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 9 \\ & \hline \\ & \hline \end{aligned}$ | $\mathfrak{c}$ |  | － | $\begin{array}{l\|l} 8 \\ \stackrel{\mathrm{~m}}{1} & \stackrel{0}{\mathrm{~m}} \\ \hline \end{array}$ |  |  | $\underset{\sim}{j} \mid \underset{\sim}{j}$ |  | $\stackrel{y}{\dot{\sim}} \mid \dot{寸}$ | 守 | $\begin{array}{\|c} \hline 8 \\ 9 \\ \hline \end{array}$ |  | $\dot{q}$ | Cి\| | $\left\lvert\, \begin{gathered} \infty \\ \dot{n} \end{gathered}\right.$ | in | 访 |  | $\begin{aligned} & \hline \stackrel{N}{\mathrm{q}} \end{aligned}$ |  | in |  | $\begin{aligned} & 0 \\ & \text { in } \\ & \hline \end{aligned}$ | $\begin{gathered} \underset{\sim}{\underset{\sim}{i}} \\ \mid \end{gathered}$ | ก | $\begin{aligned} & \hline 0 \\ & \hline 0 \\ & \hline \end{aligned}$ | $8$ | $\begin{gathered} 9 \\ y \\ i \\ i \end{gathered}$ | $\begin{aligned} & \mathrm{N} \\ & \underset{\sim}{\mathrm{u}} \end{aligned}$ | $\begin{array}{\|c} \underset{\sim}{\mathrm{N}} \end{array}$ | © | $\begin{array}{\|c} \hline 9 \\ \dot{n} \\ \hline \end{array}$ | \|아 |  | （1） | － |
|  | $\mathfrak{c} \mid \underset{\sim}{\infty}$ | $\left\|\begin{array}{c} \underset{\sim}{\dot{0}} \\ \underset{\sim}{2} \end{array}\right\|$ | pip | $\underset{\sim}{\sim}$ |  |  |  |  |  | ভ্লু |  | $\stackrel{\omega}{\circ}$ | 잉 |  |  | $\left.\begin{array}{\|c} \mathbf{M} \\ \mathbf{M} \\ \hline \end{array} \right\rvert\,$ | $\begin{aligned} & \infty \\ & 0 \\ & m \\ & m \end{aligned}$ | \|্লি |  |  | $\left.\begin{array}{\|c} N \\ \underset{\sim}{8} \\ \hline \end{array} \right\rvert\,$ |  |  |  | $\begin{aligned} & \text { O} \\ & \underset{\sim}{-} \end{aligned}$ | $\begin{aligned} & \underset{\sim}{y} \\ & \underset{\sim}{i} \\ & \hline \end{aligned}$ | $\left\lvert\, \begin{aligned} & N \\ & \\ & \hline \end{aligned}\right.$ |  | ／ | $\begin{aligned} & \dot{g} \\ & \underset{i}{i} \end{aligned}$ | $\begin{gathered} \underset{\sim}{n} \\ \underset{\sim}{c} \end{gathered}$ |  |  | O <br> 1 <br> 1 | popic |  |  |  |
|  |  | $\left\|\begin{array}{r} \mathrm{A} \end{array}\right\|$ | $\underset{\sim}{i}$ |  |  |  |  |  | $\underset{\sim}{n}$ |  |  | $\underset{\sim}{\infty}$ | $\begin{aligned} & 0 \\ & 0 \\ & 9 \end{aligned}$ | $\underset{\sim}{9}$ | $\underset{\sim}{2}$ |  | $\dot{\sim}$ | 긴 | $\dot{\sim} \dot{\sim}$ | $\dot{\sim} \underset{\sim}{\sim}$ | $\stackrel{0}{0}-$ | ค | $\stackrel{i}{2}$ |  | $\stackrel{\sim}{\sim}$ | $\begin{array}{\|c} \hline 8 \\ \dot{N} \\ \hline \end{array}$ | － | $\begin{aligned} & \underset{\infty}{\infty} \\ & \underset{\sim}{n} \end{aligned}$ | $\underset{\sim}{\sim}$ | $\mid$ | $\mathfrak{c}$ | $\begin{aligned} & \infty \\ & \underset{N}{n} \\ & \stackrel{n}{n} \end{aligned}$ | $\stackrel{\sim}{\sim}$ | $\begin{aligned} & \underset{\sim}{\mathrm{N}} \\ & \hline \end{aligned}$ | $\|\underset{\mathrm{N}}{\mathrm{~N}}\|$ |  |  | ${ }_{N}^{N}$ |
|  |  | $\left\|\begin{array}{c} \stackrel{y}{\mathrm{j}} \\ \underset{\sim}{7} \end{array}\right\|$ |  |  |  |  |  |  |  | $\underset{7}{7}$ |  | $\underbrace{\prime}_{i} \underset{\sim}{c} \underset{\sim}{\sim}$ |  |  |  | $\begin{aligned} & \text { N} \\ & \underset{\sim}{\mathrm{N}} \end{aligned}$ | $\begin{gathered} N \\ \end{gathered}$ |  |  |  | $\stackrel{0}{\mathrm{a}}$ | 무 | O |  | $\begin{aligned} & \text { U } \\ & \mathbf{N} \end{aligned}$ | $\begin{array}{\|c} \hline 0 \\ \underset{y}{0} \\ \underset{\sim}{2} \end{array}$ | $\begin{aligned} & \text { n } \\ & \text { N } \\ & \underset{\sim}{n} \end{aligned}$ | $\begin{aligned} & \underset{\sim}{\infty} \\ & \underset{\sim}{\sim} \end{aligned}$ | $\stackrel{\rightharpoonup}{\underset{\sim}{A}}$ | $\begin{aligned} & \underset{O}{0} \\ & \underset{\sim}{\dot{Z}} \end{aligned}$ | $\begin{aligned} & \infty \\ & \substack{\infty \\ \underset{~}{2} \\ \hline} \end{aligned}$ | Bic |  | - <br> $\underset{\sim}{N}$ <br> N <br>  | No |  |  |  |
|  |  | $\left\|\begin{array}{c} \infty \\ 0 \\ 0 \end{array}\right\|$ | $\underset{\sim}{\sim}$ | $\xrightarrow[\sim]{\sim}$ | ， | $\stackrel{+}{\sim}$ | $\stackrel{\sim}{\sim}$ | $\stackrel{\infty}{\sim}$ | $\underset{\infty}{\infty}$ |  | $\underset{\infty}{0} \underset{\infty}{\infty}$ | $\stackrel{N}{7}$ | $\begin{aligned} & 0 \\ & \alpha_{i} \end{aligned}$ | O. |  | $\begin{aligned} & 0 \\ & 0 \\ & 0 \end{aligned}$ | － |  | $\dot{i}$ | $\vec{i}$ | ${ }^{\circ}$ | － | $0$ |  | 익 | $\begin{aligned} & \infty \\ & \dot{\sim} \\ & \dot{\sim} \end{aligned}$ | $\stackrel{\square}{1}$ | N | － | $\stackrel{\sim}{\text { ¢ }}$ | $\cdots$ | ＋ | － | न－ | $\xrightarrow{\sim}$ |  |  |  |
|  | $\underset{\sim}{n}$ | $\left.\begin{array}{\|l\|} \hline \infty \\ 0 \\ 0 \\ 0 \end{array} \right\rvert\,$ | $\left.\begin{array}{\|c} 0 \\ i n \end{array} \right\rvert\,$ | $\underset{\sim}{\circ}$ |  |  | $\stackrel{n}{n}$ |  |  |  |  | $0$ | O | $\dot{8}$ |  | $\begin{aligned} & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{array}{\|c} 0 \\ 0 \\ 0 \\ 0 \end{array}$ | $0$ |  |  | $\stackrel{\infty}{\infty} \underset{\sim}{\circ}$ | © |  |  | $\begin{aligned} & \text { N} \\ & 0 \\ & \hline \end{aligned}$ | $\begin{array}{\|c} \infty \\ + \\ \dot{0} \end{array}$ | $\begin{aligned} & 0 \\ & \hline 0 \end{aligned}$ | $\begin{gathered} N \\ \underset{\sigma}{N} \end{gathered}$ | む̃ં | $\begin{array}{\|c} \infty \\ \underset{\sim}{\mathrm{o}} \\ \mathrm{o} \end{array}$ | $\|\dot{\sim}\|$ | $\begin{aligned} & \mathrm{U} \\ & \mathbf{U} \\ & \mathrm{o} \end{aligned}$ | N | $\left\|\begin{array}{c} \mathbf{i} \\ \dot{0} \end{array}\right\|$ | －i |  | OT | － |
|  |  | $\stackrel{0}{\sim}$ | $\left\|\begin{array}{c} \vec{e} \\ \stackrel{n}{2} \end{array}\right\|$ |  |  |  |  |  |  |  |  | $\stackrel{\infty}{\circ}$ | $\begin{array}{\|c} \stackrel{n}{n} \\ \end{array}$ |  |  | $\stackrel{\sim}{\mathrm{N}}$ | $\begin{array}{\|c\|} \hline- \\ \infty \\ \infty \end{array}$ |  | $\begin{array}{cc} \mathrm{N}_{1} \\ \hline \end{array}$ | $\underset{\infty}{\substack{\infty \\ \infty}} \underset{\infty}{i n}$ | $\mathfrak{p}$ | $\stackrel{\sim}{\sim}$ | O |  | $\underset{\sim}{\wedge}$ | $0$ | $\stackrel{\infty}{\stackrel{\infty}{\sim}}$ | $\underset{\infty}{\infty}$ | $0^{\circ}$ | $\begin{array}{\|c} \vec{N} \\ 0 \end{array}$ | $\stackrel{m}{\infty}$ | $\stackrel{\infty}{\circ}$ | o |  | $\left\|\begin{array}{c} + \\ \infty \end{array}\right\|$ |  | O | N |
|  | $\stackrel{\text { ¢ }}{\text { j }}$ | $\left\lvert\, \begin{array}{\|c} \substack{\mathrm{O} \\ \underset{\sim}{2} \\ \hline} \end{array}\right.$ | $\mathfrak{j}$ | $\underset{\sim}{\dot{\sim}} \underset{\sim}{\sim} \underset{\sim}{\underset{\sim}{\sim}}$ |  |  |  |  |  |  |  | $\begin{aligned} & \text { } \\ & \text { J } \\ & \text { G } \end{aligned}$ | $\begin{aligned} & \infty \\ & \infty \\ & \dot{f} \end{aligned}$ |  |  |  | $\begin{array}{\|c} \substack{n \\ ִ} \\ \stackrel{j}{2} \end{array}$ |  |  |  | $\begin{aligned} & \infty \\ & \infty \\ & \dot{寸} \end{aligned}$ | ¢ |  |  | $\begin{aligned} & \hline \underset{\sim}{N} \\ & \stackrel{\sim}{f} \end{aligned}$ | $\begin{array}{\|c} \substack{e \\ \dot{\sim} \\ \dot{\sim} \\ \hline} \end{array}$ |  | $\begin{aligned} & \mathrm{f} \\ & \dot{寸} \\ & \dot{q} \end{aligned}$ | $\left\|\begin{array}{l} 0 \\ 0 \\ 9 \end{array}\right\|$ | $\begin{array}{\|c} \underset{\sim}{\hat{0}} \\ \dot{\sigma} \end{array}$ | $\begin{aligned} & m \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \infty \\ & 0 \\ & 0 \\ & \dot{\gamma} \end{aligned}$ | $\stackrel{\rightharpoonup}{7}$ | $\begin{array}{\|c} \substack{\infty \\ \dot{C} \\ \dot{子} \\ \hline} \end{array}$ | $\left\|\begin{array}{l} \dot{6} \\ \dot{\sim} \end{array}\right\|$ |  |  | － |
|  | － | $\begin{aligned} & \hline \\ & \hline \mathbf{c} \\ & \text { n } \end{aligned}$ | $\begin{aligned} & \mathbf{y} \\ & \substack{n \\ ~} \end{aligned}$ |  | $\stackrel{N}{\substack{0}}$ |  | $\begin{gathered} \infty \\ \underset{m}{\infty} \\ \\ \hline \end{gathered}$ |  |  |  | $\underset{\sim}{\infty} \underset{\sim}{\mathrm{m}} \underset{\sim}{\mathrm{~F}}$ | $\begin{aligned} & \text { en } \\ & \underset{\sim}{2} \end{aligned}$ | $\begin{aligned} & \hline \dot{O} \\ & \dot{子} \end{aligned}$ |  | $\begin{aligned} & \infty \\ & \underset{\sim}{\circ} \\ & \hline \end{aligned}$ | Nop | －0 |  | $\begin{array}{l\|l\|l\|l\|l\|l\|l\|l\|l\|l\|l\|l\|l\|l\|l\|l\|l\|l\|l\|l\|l\|l\|l\|} \hline \end{array}$ | $\begin{gathered} \infty \\ \\ \stackrel{\sim}{n} \\ \hline \end{gathered}$ | － | ， |  | $\dot{j}$ | $\begin{aligned} & \mathbf{O} \\ & \stackrel{H}{n} \end{aligned}$ | $\begin{gathered} \mathrm{N} \\ \underset{\sim}{n} \end{gathered}$ | ค่ | ¢ | － | $\begin{aligned} & \overline{7} \\ & \hline \end{aligned}$ | N | － | $\circ$ | $\begin{aligned} & \text { Ĥ} \\ & \stackrel{\sim}{n} \end{aligned}$ | เ่ |  | ¢ | － |
|  | $\stackrel{\circ}{\text { N}}$ | $\begin{array}{\|c} \hline 0 \\ \mathrm{o}_{\mathrm{j}} \end{array}$ |  |  |  | $\stackrel{\circ}{\circ}$ | $\begin{aligned} & \infty \\ & \underset{N}{\infty} \\ & \underset{\sim}{0} \\ & \hline \end{aligned}$ |  |  |  | $\begin{gathered} \infty \\ \mathbf{m} \\ \underset{N}{2} \\ \hline \end{gathered}$ | $\dot{\sim} \dot{\underset{\sim}{c}} \underset{\sim}{\circ} \underset{\sim}{\circ}$ | $\begin{aligned} & \text { প্র } \\ & \text { N } \end{aligned}$ |  |  | Nop | $\begin{aligned} & \infty \\ & \hline \\ & 0 \\ & \hline \end{aligned}$ | － |  | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | BN |  |  |  | $\begin{aligned} & 0 \\ & \underset{ल}{6} \end{aligned}$ | $\begin{array}{\|c} \hline \\ N \\ \text { N } \end{array}$ | ले |  | -i | $\begin{aligned} & \underset{\sim}{A} \\ & \underset{M}{2} \end{aligned}$ | $\begin{aligned} & \mathrm{N} \\ & \underset{\mathrm{~N}}{ } \end{aligned}$ | N | － | $\begin{aligned} & \vec{W} \\ & 0 \\ & e \\ & \hline \end{aligned}$ | $\left.\begin{array}{\|c} 0 \\ \dot{C} \end{array} \right\rvert\,$ |  | O | － |
|  | O | 3 | $\stackrel{\rightharpoonup}{0}$ | $\begin{array}{ll} 50 \\ 0 \\ 0 \end{array}$ |  | 安产 | 三 | $5$ | $\stackrel{\text { N }}{ }$ | 4 | $\frac{\pi}{2}$ | \％ | O |  | $\begin{array}{c\|c} 0 \\ 0 \\ 0 \end{array}$ | $\begin{array}{rl\|l} \stackrel{\rightharpoonup}{0} & \stackrel{\rightharpoonup}{\omega} \\ \hline 0 \\ \hline \end{array}$ | $p_{2}^{2}$ |  | 三 |  | $\frac{\grave{a}}{1}$ | $\sum_{1}^{2}$ | $\stackrel{\text { m}}{\infty}$ | L | \％ | $\stackrel{\stackrel{\Delta}{\Delta}}{\mid}$ | ठ | $\begin{aligned} & \dot{0} \\ & \hline \end{aligned}$ |  | $\begin{aligned} & \text { B1 } \\ & \hline \end{aligned}$ | 亏 | $\stackrel{5}{\leftrightharpoons}$ | $\sum_{i}^{\text {® }}$ | $\sum^{\text {c }}$ | $\sum^{\text {® }}$ | － | 이ㄴㅠㅜㄲ | \％ |
| $\begin{aligned} & \stackrel{\rightharpoonup}{\underset{\sim}{x}} \\ & \underset{\sim}{\omega} \\ & \underset{\sim}{\omega} \end{aligned}$ |  | $\hat{0}$ | 잉 | $\underset{\sim}{\underset{\sim}{2}}$ | 웅 | os | 잉 |  | $\hat{o}$ | $\bar{o}$ | $5$ | $\underset{\sim}{\substack{0}}$ |  |  | $0$ |  | ON |  |  |  | $3$ |  | O |  | $8$ | $\stackrel{L}{0}$ | O | O | Bop | $\begin{array}{\|c\|c\|c\|c\|c\|} \hline \stackrel{N}{0} \\ \hline \end{array}$ | $10$ | $\begin{array}{\|c\|c\|c\|c\|c\|} \hline \stackrel{y}{0} \\ \hline \end{array}$ |  | ONㅜ | Bo |  | \％ | O |


REDEMPTION VALUES AND INTEREST EARNED

|  |  |  |  |  |  |  |  | $\stackrel{\stackrel{\rightharpoonup}{7}}{\grave{m}}$ | సें |  | へ̀ | $\stackrel{\text { O}}{\text {－}}$ |  |  |  |  | $0 \begin{aligned} & 0 \\ & \\ & \substack{0 \\ m \\ m \\ m} \end{aligned}$ |  |  |  |  | ${ }^{\circ}$ |  |  |  | $\begin{aligned} & 20 \\ & \hline-7 \end{aligned}$ | － |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  | $\begin{aligned} & 8 \\ & \dot{\sim} \\ & \dot{\sim} \\ & \text { din } \\ & \text { in } \\ & \hline \end{aligned}$ |  |  |  | $\begin{aligned} & 8 \\ & \dot{j} \end{aligned}$ | $\begin{aligned} & 8 \\ & 0 \\ & \dot{0} \\ & \underset{N}{n} \end{aligned}$ |  |  | O i N |  | N |  | $\begin{aligned} & \underset{\sim}{\sim} \\ & \underset{\sim}{2} \end{aligned}$ | － | $0$ |  |  |  | Ni | $$ |  | $\begin{aligned} & \dot{\sim} \\ & \text { N} \\ & \text { in } \end{aligned}$ |  | $\stackrel{ }{6}$ |  | 8 <br> 0 <br> 0 <br> 0 <br> 0 <br> $i$ <br> $i$ | $\begin{aligned} & 8 \\ & \underset{\sim}{1} \\ & \underset{\sim}{\infty} \\ & \sim \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline \\ & \infty \\ & \infty \\ & \sim \\ & \sim \end{aligned}$ |  | － |
|  | $\begin{array}{\|c\|c} \hline 8 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array}$ |  |  |  |  | $\begin{array}{l\|l} 8 \\ \hline \\ 0 & 0 \\ 0 & 0 \\ 0 & 0 \\ 0 & 0 \end{array}$ |  |  |  | Bio |  |  | $\begin{aligned} & \hline 8 \\ & \dot{\circ} \\ & \underset{\sim}{2} \end{aligned}$ |  | - | O <br> N <br> N <br>  | $\begin{aligned} & 0 \\ & \vdots \\ & \vdots \\ & \vdots \\ & \hline \end{aligned}$ | － |  | \|N্লে | $\begin{aligned} & 8 \\ & 0 \\ & 0 \end{aligned}$ | $\underset{\substack{8 \\ \hline \\ \hline \\ \hline}}{ }$ |  |  |  | $1$ | $\underset{\substack{8 \\ \dot{\sim} \\ \hline}}{ }$ | Ơ |  |  | $\left\|\begin{array}{l} 0 \\ 0 \\ \hline 0 \end{array}\right\|$ |  | $\begin{aligned} & 8 \\ & \hline 8 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ |  | $\begin{aligned} & \hline 8 \\ & 0 \\ & \infty \\ & \infty \\ & \hline \end{aligned}$ |  |  |
|  |  |  |  |  |  |  |  | $\begin{aligned} & 8 \\ & \underset{\sim}{\mathrm{O}} \\ & \hline \end{aligned}$ |  |  |  | $\begin{array}{\|c} \hline 8 \\ \underset{N}{\mathrm{~N}} \end{array}$ | $\begin{aligned} & \hline-8 \\ & 0 \\ & 0 \\ & 0 \\ & \hline-1 \end{aligned}$ |  |  |  | $\begin{gathered} 8 \\ \substack{8 \\ \\ \\ \hline} \end{gathered}$ | $\begin{aligned} & 8 \\ & 0 \\ & 0 \\ & \hline 10 \end{aligned}$ |  | $\begin{aligned} & 0 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{array}{\|c} \hline 8 \\ \underset{\sim}{\sim} \\ \hline \end{array}$ | － |  |  |  | $\left\|\begin{array}{c} 0 \\ 0 \\ 0 \\ \underset{\sim}{2} \end{array}\right\|$ | $\begin{aligned} & 0 \\ & \stackrel{\rightharpoonup}{9} \\ & \underset{-1}{2} \end{aligned}$ | $\underset{\sim}{\sim}$ | $\begin{aligned} & \text { ì } \\ & \text { N } \end{aligned}$ |  | m | $\left\|\begin{array}{c} \underset{\sim}{\mathcal{j}} \end{array}\right\|$ | 8 |  | $\begin{aligned} & 8 \\ & 0 \\ & 7 \\ & 7 \\ & 7 \end{aligned}$ |  | $\begin{aligned} & 8 \\ & 0 \\ & \vdots \\ & 7 \end{aligned}$ |
|  |  |  |  |  |  |  |  | $\begin{gathered} \mathrm{O} \\ \dot{\mathrm{C}} \\ \mathrm{C} \\ \mathrm{c} \end{gathered}$ | in |  |  | ल |  |  |  | è | $\mathfrak{c}$ |  |  | $\ddot{8}$ | c | 亥 |  |  | m | $\begin{gathered} 0 \\ 0 \\ \stackrel{0}{c} \\ m_{0}^{2} \end{gathered}$ |  | $\begin{aligned} & \text { N } \\ & \infty \\ & \text { c } \end{aligned}$ | $\begin{aligned} & 0 \\ & \dot{0} \\ & \infty \\ & m \\ & \hline \end{aligned}$ | N | $\left\|\begin{array}{c} \infty \\ \infty \\ \infty \\ \infty \end{array}\right\|$ | $\left\|\begin{array}{l} \infty \\ \infty \end{array}\right\|$ | O |  |  |  |  |
|  |  | $\underset{\sim}{2}$ |  |  |  |  |  | $\begin{gathered} 9 \\ \dot{\sim} \\ \underset{\sim}{2} \end{gathered}$ | $\stackrel{N}{9}$ | Nive | Coid | $\begin{aligned} & 9 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 \\ & \underset{i}{2} \\ & \hline \end{aligned}$ | $\begin{aligned} & 3 \\ & i \\ & i \\ & \underset{\sim}{n} \end{aligned}$ |  |  | $\begin{aligned} & \text { op } \\ & \text { nen } \end{aligned}$ | $\stackrel{\sim}{\sim}$ |  | N্N | \| | $\left\lvert\, \begin{gathered} \dot{O} \\ \underset{\sim}{\dot{o}} \end{gathered}\right.$ |  |  |  | $\left.\begin{array}{\|c} \hline \mathrm{O} \\ \mathrm{~N} \\ \mathrm{~N} \end{array} \right\rvert\,$ | $\begin{array}{\|c} \stackrel{\rightharpoonup}{N} \\ \underset{\sim}{\sim} \end{array}$ | \|ষ্ণ | $\stackrel{\ddots}{\sim}$ | $\begin{array}{\|l} \hline \stackrel{9}{0} \\ \dot{0} \\ 0 \end{array}$ | $\left\|\begin{array}{c} 0 \\ \stackrel{\rightharpoonup}{\mathrm{o}} \end{array}\right\|$ |  | $\begin{array}{\|c} \hline 8 \\ \underset{\sim}{\infty} \\ \hline \end{array}$ |  |  |  | N－1 |
|  |  |  |  |  |  |  |  | O |  |  |  | $\circ$ <br>  | 은 |  |  |  |  | -ín |  | ${\underset{N}{N}}^{N}$ | $\left\lvert\, \begin{aligned} & \infty \\ & \dot{y} \\ & \dot{N} \end{aligned}\right.$ |  |  |  |  | $\mid \mathrm{N}_{\mathrm{N}}$ | 옹 | \|ֻ | \|e | $\begin{aligned} & \hline \stackrel{9}{+} \\ & \stackrel{\circ}{\circ} \end{aligned}$ | $\underset{0}{2}$ | $\left\|\begin{array}{l} \infty \\ 0 \end{array}\right\|$ | 앙 |  |  |  | $\stackrel{\sim}{\sim}$ |
|  |  | $\begin{aligned} & \dot{c} \\ & \dot{\infty} \\ & \dot{o} \\ & 0 \\ & \infty \\ & \infty \end{aligned}$ |  |  |  |  |  | $\stackrel{\rightharpoonup}{\sim}$ | B\|ç | $\underset{\sim}{0}$ |  |  | $$ |  | $\underset{J}{~}$ | $\begin{aligned} & 8 \\ & \underset{7}{8} \end{aligned}$ | $\begin{gathered} \substack{2 \\ \\ -1 \\ \hline} \end{gathered}$ | $\stackrel{\sim}{-}$ | － | $\stackrel{\square}{\square}$ | ก | $\begin{array}{\|c} \hline \underset{\text { B }}{1} \\ \underset{\sim}{\prime} \end{array}$ |  |  | N | $\begin{array}{\|c} \hline-8 \\ \stackrel{\rightharpoonup}{\mathrm{o}} \end{array}$ | $\stackrel{-}{-}$ | － | $\xrightarrow{0}$ | m | $\stackrel{\sim}{7}$ | $\|\underset{\substack{0}}{ }\|$ | $$ | Oi | $\begin{aligned} & \text { O- } \\ & \underset{\sim}{寸} \end{aligned}$ |  |  |
|  |  |  |  |  |  |  |  | $\left[\left.\begin{array}{c} 0 \\ \dot{e} \\ \text { en } \end{array} \right\rvert\,\right.$ | 芯 |  |  | ๗ | 0 0 0 0 0 | $\stackrel{\rightharpoonup}{\mathrm{m}}$ |  |  | $\mathfrak{c}$ | － | \|o্ল | $\stackrel{\circ}{\circ}$ | ल | $\begin{aligned} & 0 \\ & \underset{\sim}{\mathrm{I}} \end{aligned}$ |  |  | $\left\|\begin{array}{l} \stackrel{y}{n} \\ \stackrel{m}{m} \end{array}\right\|$ | $\begin{aligned} & \hline 8 \\ & \stackrel{8}{0} \\ & \stackrel{y}{m} \end{aligned}$ | $\begin{array}{\|c} \hline 0 \\ \hline \\ \hline \mathbf{0} \end{array}$ | No | $\underset{\sim}{\dot{\sim}}$ | $\left.\right\|_{\infty} ^{\infty}$ | $\left\lvert\, \begin{aligned} & \infty \\ & \infty \\ & \infty \\ & \hline \end{aligned}\right.$ | $\left\|\begin{array}{l} \dot{\infty} \\ \hline \end{array}\right\|$ | 앙 |  | $\begin{aligned} & \text { O} \\ & \text { - } \\ & \text { - } \end{aligned}$ |  |  |
|  |  |  |  |  |  |  | $e_{\infty}^{\infty} \underset{\sim}{\infty}$ | $\left\|\begin{array}{c} \dot{\infty} \\ \dot{m} \end{array}\right\|$ | $\left.\infty_{0}^{\infty}\right)$ | $\underset{j}{\dot{j}} \underset{\dot{F}}{-i}$ |  | $\dot{\sim}$ | $\begin{aligned} & \underset{\sim}{N} \\ & \underset{\sim}{2} \end{aligned}$ | ม่ |  | $\stackrel{\infty}{4}$ | $\begin{aligned} & \infty \\ & 0 \\ & 0 \\ & \vdots \end{aligned}$ | $\text { } 9$ | \|\% | \|9் | $9$ | $\begin{array}{\|l\|l} \hline \stackrel{0}{子} \\ \dot{子} \end{array}$ | － | － | 18 | $\begin{array}{\|c} 9 \\ 0 \\ i \end{array}$ | $\begin{array}{\|c} \hline \mathrm{S} \\ \dot{\mathrm{O}} \end{array}$ | N | గి | กั | \| |  | 8 |  |  |  | ＋ |
|  | $$ | Bin |  |  | $\stackrel{N}{2}$ | onjo | No | $\begin{aligned} & \infty \\ & \underset{\sim}{0} \\ & \hline \end{aligned}$ |  |  |  | $\begin{aligned} & 0 \\ & \underset{\sim}{\mathrm{j}} \\ & \underset{\sim}{2} \end{aligned}$ | $\begin{aligned} & \underset{\sim}{\underset{\sim}{U}} \\ & \underset{\sim}{\mathrm{U}} \end{aligned}$ |  |  | $\begin{gathered} \infty \\ \stackrel{\sim}{\bullet} \\ \underset{\sim}{n} \end{gathered}$ |  | 4 | $\underset{y}{0}$ | $\underset{\sim}{\dot{G}}$ | $\stackrel{7}{7}$ | － |  |  | กํ | \％ | S | $\mid$ | N్లి | \|గి | $\stackrel{\sim}{0}$ | $\left\lvert\,\right.$ | 8 <br> 0 <br> 0 <br> 0 <br> 0 |  |  |  | ¢ |
| $\underline{z}$ |  | $\underset{i}{i}$ |  |  |  |  |  | $\left\lvert\, \begin{gathered} \dot{A} \\ \mid \end{gathered}\right.$ | $\stackrel{m}{9} \dot{-1}$ | $\hat{i}$ |  | तi | $\begin{aligned} & 0 \\ & \underset{\sim}{i} \end{aligned}$ | 기 | $\stackrel{\infty}{\underset{\sim}{N}}$ | $\underset{\sim}{\dot{N}}$ | $\begin{aligned} & \underset{\sim}{2} \\ & \underset{\sim}{n} \end{aligned}$ | N | N | $\mid \underset{\sim}{\mid c}$ | \|ম் | $\begin{aligned} & \mathrm{O} \\ & \dot{\sim} \end{aligned}$ |  |  | $\stackrel{\sim}{N}$ | $\left\|\begin{array}{c} N \\ N \\ N \end{array}\right\|$ | $\begin{aligned} & \underset{\sim}{N} \\ & \dot{N} \end{aligned}$ | $\stackrel{+}{\infty}$ | $\begin{aligned} & 1 \\ & \underset{\sim}{\circ} \end{aligned}$ | $\left.\begin{array}{\|l\|} \hline 0 \\ 0 \\ \dot{N} \end{array} \right\rvert\,$ | $\left.\begin{array}{\|l\|} \hline 0 \\ \dot{\omega} \\ \dot{N} \end{array} \right\rvert\,$ | $\|\stackrel{\circ}{\sim}\|$ | $\left\lvert\, \begin{gathered} 8 \\ \underset{\sim}{\infty} \end{gathered}\right.$ |  |  |  | $\stackrel{\sim}{\sim}$ |
|  | $\left\lvert\, \begin{aligned} & \infty \\ & \substack{0 \\ 1 \\ 0} \end{aligned}\right.$ | $\left\lvert\, \begin{aligned} & \underset{\sim}{i} \\ & \stackrel{y}{2} \end{aligned}\right.$ | $\dot{\infty}$ |  |  |  | $\begin{aligned} & -1 \\ & \underset{o}{6} \\ & \hline \end{aligned}$ | $\begin{gathered} N \\ \dot{O} \\ \hline \end{gathered}$ |  | $\begin{gathered} \underset{N}{N} \\ \\ \end{gathered}$ | $\stackrel{\infty}{\infty}$ | O |  |  | Ni Ni | $\underset{\sim}{\underset{N}{N}}$ | $\begin{aligned} & \underset{\sim}{3} \\ & \text { n } \end{aligned}$ | N | \|న் | ${\underset{N}{n}}_{\infty}^{2}$ | ম্ | $\left\lvert\, \begin{aligned} & 0 \\ & \underset{\sim}{+} \\ & \hline \end{aligned}\right.$ |  |  | ค | $\left\|\begin{array}{c} N \\ N \end{array}\right\|$ | $\begin{aligned} & \underset{N}{N} \\ & \underset{N}{2} \end{aligned}$ | $\dot{\substack{\circ}}$ | $\begin{aligned} & 10 \\ & \text { مe } \end{aligned}$ | $$ | $\stackrel{\circ}{6}$ |  | $\begin{aligned} & \hline 8 \\ & \times \sim \\ & \end{aligned}$ |  | $\begin{aligned} & \text { N } \\ & \infty \\ & \infty \end{aligned}$ |  | $\stackrel{\sim}{\sim}$ |
|  | N | $\underset{\substack{m\\}}{ }$ |  |  | $\begin{aligned} & \underset{\sim}{N} \\ & \underset{\sim}{1} \\ & \cline { 1 - 1 } \\ & \hline \end{aligned}$ |  | $\underset{A}{4}$ | $\dot{子}$ |  |  |  | $\begin{aligned} & \infty \\ & \stackrel{\sim}{n} \end{aligned}$ | $\begin{aligned} & \hat{\infty} \\ & \stackrel{\infty}{n} \end{aligned}$ | n | $\underset{7}{7}$ |  | $\left.\begin{array}{\|c} \underset{\sim}{\mathrm{N}} \end{array} \right\rvert\,$ | － | $\underset{~}{~}$ | $\underset{\sim}{\wedge}$ | - | 0 |  |  | $\|\underset{\sim}{\infty}\|$ | $\cdots$ | $$ | $\begin{aligned} & \infty \\ & 0 \\ & \hline 1 \end{aligned}$ | $\begin{aligned} & \infty \\ & \dot{-1} \end{aligned}$ | $\begin{array}{\|c} \infty \\ 0 \\ 0 \\ \hline \end{array}$ | $\underset{\sim}{\circ}$ | $10$ | $\begin{gathered} \mathrm{B} \\ \text { - } \end{gathered}$ |  | $\begin{aligned} & \text { n } \\ & \underset{\sim}{n} \end{aligned}$ |  |  |
|  | $\begin{array}{\|l\|l\|} \hline 0 \\ \\ \hline 0 \end{array}$ | $\left\|\begin{array}{c} \infty \\ 0 \\ 0 \end{array}\right\|$ |  |  | $\begin{gathered} N \\ \\ \text { in } \\ \hline \end{gathered}$ |  |  |  |  | Mo min min |  | nin | $\stackrel{N}{N}$ | గి |  | $\stackrel{8}{\circ}$ | $\begin{aligned} & \infty \\ & \substack{\infty \\ \dot{\sim} \\ \dot{\sim} \\ \hline} \end{aligned}$ | $\stackrel{\dot{C}}{\|c\|}$ | نi | なi | $\begin{array}{\|l\|l\|} \hline 0 \\ 0 \\ \hline \end{array}$ | 0 | $\stackrel{\circ}{ }$ | 앙 | $\|\dot{0}\|$ | $\begin{aligned} & 9 \\ & \dot{y} \\ & i \end{aligned}$ | Nun | 亿 | $\underset{\sim}{c}$ | In | in | $\left\|\begin{array}{c} 0 \\ i \\ i \end{array}\right\|$ | 0 | $\infty$ | $\left\lvert\, \begin{aligned} & n \\ & 0 \\ & 0 \\ & 0 \end{aligned}\right.$ |  | － |
|  | ¢ |  | Bob | $\underset{\sim}{\underset{\sim}{2}} \underset{\sim}{\infty}$ | $\stackrel{\circ}{\circ}$ |  | $\begin{aligned} & 0,0 \\ & 0 \\ & 0 \end{aligned}$ |  |  | $\begin{aligned} & 0 \\ & \hline \\ & \\ & \hline \end{aligned}$ |  | N | 0 | $\bigcirc$ | \％ | \％ | N | － | － | $\stackrel{-}{-}$ | べ | － |  | － | － | － | $\xrightarrow{-1}$ | $\xrightarrow{\text { N}}$ |  | ल | $\stackrel{\sim}{n}$ | $\begin{array}{\|c} \underset{\sim}{\mathrm{N}} \\ \underset{\sim}{n} \end{array}$ | $\begin{aligned} & \mathrm{O} \\ & \dot{\mathrm{j}} \end{aligned}$ | － | $\begin{aligned} & \underset{\sim}{\mathrm{F}} \\ & \underset{\sim}{\prime} \end{aligned}$ |  | $\stackrel{-1}{-1}$ |
|  | $\left\lvert\, \begin{aligned} & \infty \\ & \infty \\ & m \\ & \hline \end{aligned}\right.$ |  | No | $\stackrel{\sim}{\sim}$ |  |  |  | $\begin{aligned} & \stackrel{N}{0} \\ & \dot{m} \\ & \hline \end{aligned}$ |  |  | ～ | $\begin{aligned} & \text { N్ల } \\ & \stackrel{\mu}{n} \end{aligned}$ | $\begin{aligned} & \infty \\ & \stackrel{0}{n} \\ & \stackrel{n}{m} \end{aligned}$ | $\begin{aligned} & \text { N} \\ & \stackrel{y}{c} \\ & \hline \end{aligned}$ |  | $\begin{array}{r}\circ \\ \hline \\ \dot{8} \\ \hline\end{array}$ | $\begin{aligned} & N \\ & \\ & \end{aligned}$ | $\left\lvert\, \begin{aligned} & 1 \\ & 0 \\ & 0 \end{aligned}\right.$ | $\dot{\infty}$ | $\mid \stackrel{\bullet}{\dot{\infty}}$ | $\stackrel{m}{\mathrm{~m}}$ | $\begin{aligned} & \mathrm{o} \\ & \underset{\mathrm{c}}{2} \end{aligned}$ | m | $\stackrel{\mathrm{m}}{ }$ | $\stackrel{0}{\stackrel{0}{\mathrm{p}}}$ | $\begin{aligned} & 0 \\ & \hline 0 \\ & \underset{m}{2} \end{aligned}$ |  | $\begin{aligned} & \bar{\infty} \\ & \infty \\ & \infty \end{aligned}$ | $\begin{gathered} 0 \\ \underset{\sim}{2} \\ \text { m } \end{gathered}$ | $\infty$ | $\left\|\begin{array}{l} \infty \\ \infty \\ \infty \\ \infty \end{array}\right\|$ | $\begin{aligned} & \underset{\sim}{\mathcal{O}} \\ & \underset{\sim}{0} \end{aligned}$ | O－ | Mi | $\begin{aligned} & \underset{\sim}{9} \\ & \underset{\sim}{2} \end{aligned}$ |  | － |
|  | O | $\begin{aligned} & 3 \\ & 2 \\ & \hline \end{aligned}$ | Bn | $\stackrel{\rightharpoonup}{0} \times \stackrel{0}{0}$ | $\stackrel{8}{0} \stackrel{5}{c}$ | 隻 | 玉 | $\stackrel{3}{2}$ | $\stackrel{\text { ® }}{ }$ | 훈 |  | ᄃ | － |  |  | $\stackrel{\otimes}{0}$ | $\begin{aligned} & \text { 인 } \\ & \hline 1 \end{aligned}$ | 三 | $\cong$ | $\stackrel{\text { त }}{\Sigma}$ | 亨 | 㐫 |  | ก | － | z | O | ๗ |  | 亏 | $\cong$ | 合 | 京 | $\sum^{\text {®0 }}$ | － |  | \％ |
|  |  |  |  |  | O-O | Bide | ర్రి | $\underset{\sim}{\mathbf{O}}$ |  | O-O |  | $\underset{\sim}{\underset{\sim}{c}} \underset{\sim}{-1}$ | $$ |  |  | $\begin{aligned} & 0 \\ & \hline \end{aligned}$ | $$ |  | ס | oò | OO |  |  |  |  | 8 | － | $\stackrel{8}{\mathrm{O}} \mathrm{~A}$ | $\underset{-}{\circ}$ | \|ন্ন | \|8| | $\mid 8$ | $\underset{-8}{\square}$ | \|ঞ্ণ | $\stackrel{\stackrel{\circ}{-}}{\mathbf{\circ}}$ |  | 8 |

REDEMPTION VALUES AND INTEREST EARNED

REDEMPTION VALUES AND INTEREST EARNED

| $\begin{aligned} & \text { ISSUE } \\ & \text { YEAR } \end{aligned}$ | ISSUE MONTHS | $\begin{array}{\|c\|} \hline \text { REDEMP. } \\ \text { VALUE } \\ \$ 50 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { INT. } \\ \text { EARNED } \\ \$ 50 \\ \hline \end{array}$ | $\begin{gathered} \hline \text { REDEMP. } \\ \text { VALUE } \\ \$ 75 \\ \hline \end{gathered}$ | $\begin{gathered} \text { INT. } \\ \text { EARND } \\ \text { S75 } \end{gathered}$ | REDEMP. <br> VALUE <br>  <br> $\$ 100$ | $\begin{array}{c\|} \hline \text { INT. } \\ \text { EARNED } \\ \$ 100 \\ \hline \end{array}$ | REDEMP. VALUE $\$ 200$ | $\begin{gathered} \text { INT. } \\ \text { EARNED } \\ \$ 200 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { REDEMP. } \\ \text { VALUE } \\ \$ 500 \\ \hline \end{gathered}$ | $\begin{gathered} \text { INT. } \\ \text { EARNED } \\ \$ 500 \\ \hline \end{gathered}$ | $\begin{gathered} \text { REDEMP. } \\ \text { VALUE } \\ \$ 1,000 \\ \hline \end{gathered}$ | $\begin{gathered} \text { INT. } \\ \text { EARNED } \\ \$ 1,000 \\ \hline \end{gathered}$ | $\begin{aligned} & \text { REDEMP. } \\ & \text { VALUE } \\ & \$ 5,000 \end{aligned}$ | $\begin{gathered} \text { INT. } \\ \text { EARNED } \\ \$ 5,000 \\ \hline \end{gathered}$ | REDEMP. VALUE \$10,000 | $\begin{gathered} \text { INT. } \\ \text { EARNED } \\ \$ 10,000 \end{gathered}$ | YIELD FROM ISSUE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1994 | Dec | 49.02 | 24.02 | 73.53 | 36.03 | 98.04 | 48.04 | 196.08 | 96.08 | 490.20 | 240.20 | 980.40 | 480.40 | 4,902.00 | 2,402.00 | 9,804.00 | 4,804.00 | 4.00\% |
| 1994 | Nov | 49.18 | 24.18 | 73.77 | 36.27 | 98.36 | 48.36 | 196.72 | 96.72 | 491.80 | 241.80 | 983.60 | 483.60 | 4,918.00 | 2,418.00 | 9,836.00 | 4,836.00 | 4.00\% |
| 1994 | Oct | 49.36 | 24.36 | 74.04 | 36.54 | 98.72 | 48.72 | 197.44 | 97.44 | 493.60 | 243.60 | 987.20 | 487.20 | 4,936.00 | 2,436.00 | 9,872.00 | 4,872.00 | 4.00\% |
| 1994 | Sep | 49.52 | 24.52 | 74.28 | 36.78 | 99.04 | 49.04 | 198.08 | 98.08 | 495.20 | 245.20 | 990.40 | 490.40 | 4,952.00 | 2,452.00 | 9,904.00 | 4,904.00 | 4.00\% |
| 1994 | Aug | 49.68 | 24.68 | 74.52 | 37.02 | 99.36 | 49.36 | 198.72 | 98.72 | 496.80 | 246.80 | 993.60 | 493.60 | 4,968.00 | 2,468.00 | 9,936.00 | 4,936.00 | 4.00\% |
| 1994 | Jul | 49.8 | 24.8 | 74.76 | 37.26 | 99.6 | 49.68 | 199.3 | 99.36 | 98.40 | 248.40 | 996.80 | 496.80 | 4,984.00 | 2,484.00 | 9,968.00 | 4,968.00 | 4.00\% |
| 1994 | Jun | 50.0 | 25.00 | 75.00 | 37.5 | 100.00 | 50 | 200. | 100.00 | 500.0 | 250.00 | 1,000.00 | 500.0 | 5,000.00 | 2,500.00 | 10,000.0 | 5,000.0 | 4.00\% |
| 1994 | May | 50.18 | 25.18 | 75.27 | 37.7 | 100.36 | 50.3 | 200.7 | 100.72 | 501.80 | 251.80 | 1,003.60 | 503.60 | 5,018.00 | 2,518.00 | 10,036.00 | 5,036.00 | 4.00\% |
| 1994 | Apr | 50.34 | 25.34 | 75.51 | 38.01 | 100.68 | 50.68 | 201.3 | 101.36 | 503.40 | 253.40 | 1,006.80 | 506.80 | 5,034.00 | 2,534.00 | 10,068.00 | 5,068.00 | 4.0 |
| 1994 | Mar | 50.50 | 25.50 | 75.75 | 38.25 | 101.00 | 51.0 | 202.0 | 102.00 | 505.00 | 255.00 | 1,010.00 | 510.00 | 5,050.00 | 2,550.00 | 10,100.00 | 5,100.00 | 4.00\% |
| 1994 | Feb | 50.68 | 25.68 | 76.02 | 38.52 | 101. | 51.36 | 20 | 10 | 506 | 256 | 1,013.6 | 513. | 5,068.0 | 2,568.00 | 10,136.0 | 5,136.00 | 4.00\% |
| 1994 | Jan | 50.84 | 25.84 | 76.26 | 38.76 | 101.68 | 51.68 | 203.3 | 103.36 | 508.40 | 258.40 | 1,016.80 | 516.80 | 5,084.00 | 2,584.00 | 10,168.00 | 5,168.00 | 4.00\% |
| 1993 | Dec | 51.00 | 26.00 | 76.50 | 39.00 | 102.00 | 52.00 | 204.00 | 104.00 | 510.00 | 260.00 | 1,020.00 | 520.00 | 5,100.00 | 2,600.00 | 10,200.00 | 5,200.00 | 4.00\% |
| 1993 | Nov | 51.18 | 26.18 | 76.77 | 39.27 | 102.36 | 52.36 | 204.72 | 104.72 | 511.80 | 261.80 | 1,023.60 | 523.60 | 5,118.00 | 2,618.00 | 10,236.00 | 5,236.00 | 4.00\% |
| 1993 | Oct | 51.3 | 26.34 | 77.01 | 39.51 | 102.68 | 2.68 | 205.3 | 105.36 | 13.40 | 263.4 | 1,026.80 | 526.80 | 5,134.00 | 2,634.00 | 10,268.00 | 5,268.00 | 4.00\% |
| 1993 | Sep | 51.5 | 26. | 77.28 | 39.78 | 10 | 53 | 206.08 | 10 | 15. | 265.2 | 1,030.40 | 530.40 | 5,152.00 | 2,652.00 | 10,304.00 | 5,304.00 | 4.00\% |
| 1993 | Aug | 51.68 | 26.68 | 77.52 | 40.0 | 103.3 | 53.36 | 206. | 106.7 | 516.80 | 266.8 | 1,033.60 | 533.60 | 5,168.00 | 2,668.00 | 10,336.00 | 5,336.00 | 4.00\% |
| 1993 | Jul | 51.86 | 26.86 | 77.79 | 40.29 | 103.72 | 53.72 | 207.4 | 107.4 | 518.60 | 268.60 | 1,037.20 | 537.20 | 5,186.00 | 2,686.00 | 10,372.00 | 5,372.00 | 4.00\% |
| 1993 | Jun | 52.02 | 27.02 | 78.03 | 40.53 | 104.04 | 54.04 | 208.0 | 108.08 | 520.20 | 270.20 | 1,040.40 | 540.40 | 5,202.00 | 2,702.00 | 10,404.00 | 5,404.00 | 4.00\% |
| 1993 | May | 52.20 | 27 | . 30 | 40.80 | 104.4 | 54.40 | 208 | 108.80 | 522.00 | 72.0 | 1,044.00 | 544.00 | 5,220.00 | 2,720.00 | 10,440.00 | 5,440.00 | 4.0 |
| 1993 | Apr | 52.3 | 27 | 78 | 41.07 | 104. | 54.76 | 209 | 109.52 | 523.8 | 273.80 | 1,047.60 | 547.60 | 5,238.00 | 2,738.00 | 10,476.00 | 5,476.00 | \% |
| 1993 | Mar | 52.5 | 27.5 | 78.81 | 41.3 | 105.08 | 55.0 | 210.1 | 110.16 | 525.40 | 275.40 | 1,050.80 | 550.80 | 5,254.00 | 2,754.00 | 10,508.00 | 5,508.00 | 4.00\% |
| 1993 | Jan - Feb | 65.7 | 40.7 | 98.6 | 61.1 | 131.52 | 81.5 | 263.0 | 163.0 | 657.60 | 407.60 | 1,315.20 | 815.20 | 6,576.00 | 4,076.00 | 13,152.00 | 8,152.00 | 5.30\% |
| 1992 | Jul - Dec | 67.06 | 42.06 | 100.59 | 09 | 134.12 | 84.12 | 268 | 16 | 670.6 | 420.6 | 1,341.20 | 841.2 | 6,706.00 | 4,206.00 | 13,412.00 | 8,412.00 | 5.26\% |
| 1992 | Jan - Jun | 68.40 | . 40 | 102.60 | 65.10 | 136.80 | 80 | 273.6 | 173.60 | 684.00 | 434.00 | 1,368.00 | 868.00 | 6,840.00 | 4,340.00 | 13,680.00 | 8,680.00 | 5.23\% |
| 1991 | Jul - Dec | 69.78 | 44.78 | 104.67 | 67.17 | 139.56 | 89.56 | 279.1 | 179.12 | 697.80 | 447.80 | 1,395.60 | 895.60 | 6,978.00 | 4,478.00 | 13,956.00 | 8,956.00 | 5.20\% |
| 1991 | Jan - Jun | 71.1 | 46.18 | 106.77 | 69.27 | 142.36 | 92.36 | 284.7 | 184.72 | 711.80 | 461.80 | 1,423.60 | 923.60 | 7,118.00 | 4,618.00 | 14,236.00 | 9,236.00 | 5.17\% |
| 1990 | Jul - Dec | 72.60 | 47.60 | 108.90 | 71.40 | 145.20 | 95.20 | 290.40 | 190.40 | 726.00 | 476.00 | 1,452.00 | 952.00 | 7,260.00 | 4,760.00 | 14,520.00 | 9,520.00 | 5.14\% |
| 1990 | Jan - Jun | 74.0 | 49.0 | 111.06 | 73.5 | 148.08 | 98.08 | 296.1 | 196.16 | 740.40 | 490.40 | 1,480.80 | 980.80 | 7,404.00 | 4,904.00 | 14,808.00 | 9,808.00 | 5.11\% |
| 1989 | Jul - Dec | 75.52 | 50.52 | 113.28 | 75.78 | 151.04 | 101.04 | 302.08 | 202.08 | 755.20 | 505.20 | 1,510.40 | 1,010.40 | 7,552.00 | 5,052.00 | 15,104.00 | 10,104.00 | 5.09\% |
| 1989 | Jan - Jun | 77.04 | 52.04 | 115.56 | 78.06 | 154.08 | 104.08 | 308.16 | 208.16 | 770.40 | 520.40 | 1,540.80 | 1,040.80 | 7,704.00 | 5,204.00 | 15,408.00 | 10,408.00 | 5.07\% |
| 1988 | Jul - Dec | 78.5 | 53.5 | 117.87 | 80.37 | 157.16 | 107.16 | 314.32 | 214.32 | 785.80 | 535.80 | 1,571.60 | 1,071.60 | 7,858.00 | 5,358.00 | 15,716.00 | 10,716.00 | 5.04\% |
| 1988 | Jan - Jun | 80.16 | 55.16 | 120.24 | 82.74 | 160.32 | 110.32 | 320.64 | 220.64 | 801.60 | 551.60 | 1,603.20 | 1,103.20 | 8,016.00 | 5,516.00 | 16,032.00 | 11,032.00 | 5.02\% |
| 1987 | Jul - Dec | 81.76 | 56.76 | 122.64 | 85.14 | 163.52 | 113.52 | 327.04 | 227.04 | 817.60 | 567.60 | 1,635.20 | 1,135.20 | 8,176.00 | 5,676.00 | 16,352.00 | 11,352.00 | 5.00\% |
| 1987 | Jan - Jun | 83.40 | 58.40 | 125.10 | 87.60 | 166.80 | 116.80 | 333.60 | 233.60 | 834.00 | 584.00 | 1,668.00 | 1,168.00 | 8,340.00 | 5,840.00 | 16,680.00 | 11,680.00 | 4.98\% |

REDEMPTION VALUES AND INTEREST EARNED


, | REDEMP. | INT. |
| :---: | :---: |
| VALUE | EARNED |
| $\$ 10,000$ | $\$ 10,000$ |
| $17,012.00$ | $12,012.00$ |


 B 0 $16,732.00$
$17,204.00$ -

 25,688.00



 30,688.

|  | INT. <br> SARND <br> S5,00 |
| ---: | ---: |
| $6,006.00$ |  |
| $6,960.00$ |  |
|  | $7,150.00$ |
|  | $7,342.00$ |
| $7,540.00$ |  |
| $7,740.00$ |  |
| $7,944.00$ |  |
| $8,154.00$ |  |
| $8,366.00$ |  |
| $8,602.0$ |  |
| $10,708.00$ |  |
| $10,972.00$ |  |
| $11,618.00$ |  |
| $11,902.00$ |  |
| $12,190.00$ |  |
| $12,844.00$ |  |


| REDEMPE <br> VALUE <br> S5.000 |
| :---: |
| $8,506.00$ |
| $9,460.00$ |
| $9,650.00$ |
| $9,842.00$ |
| $10,040.00$ |
| $10,240.00$ |
| $10,444.00$ |
| $10,654.00$ |
| $10,866.00$ |
| $11,102.00$ |



 ${ }^{\circ}$ | 754.00 | $2,08.00$ |
| :--- | :--- | :--- |
| 774.00 | 2048.00 |



[^3]SERIES EE

| $\begin{aligned} & \text { ISSUE } \\ & \text { YEAR } \end{aligned}$ | ISSUE MONTHS | REDEMP VALUE \$50 | $\begin{array}{\|c\|c\|} \hline \text { EARNT. } \\ \text { SNSD } \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: |
| 86 | Nov - Dec | 85.06 |  |
| 86 | Jul - O | 94.60 |  |
| 1986 | - | 96.50 |  |
| 1985 | I- | 98.42 | 73.4 |
| 1985 | an - J | 100.40 |  |
| 1984 | Jul - D | 102.40 |  |
| 1984 | Jan - Jun | 104.4 |  |
| 1983 | Jul - Dec | 06. |  |
| 1983 | May - Jun | 08 |  |
| 1983 | Mar - Apr | 111.02 | 86.02 |
| 1983 | Jan - Feb | 132.08 | 107.08 |
| 1982 | Nov - | 134.72 | 109.72 |
| 1982 | - Oct | 141.18 | 116.18 |
| 1982 | Jan - Jun | 144.02 | 119.02 |
| 1981 | May - Dec | 46.9 | 121. |
| 1981 | Jan - Apr | 15 |  |
| 1980 |  |  |  |

REDEMPTION VALUES AND INTEREST EARNED

| $\begin{aligned} & \text { ISSUE } \\ & \text { YEAR } \end{aligned}$ | ISSUE MONTHS | $\begin{array}{\|c\|} \hline \text { REDEMP. } \\ \text { VALUE } \\ \$ 50 \\ \hline \end{array}$ | $\begin{array}{c\|} \hline \text { INT. } \\ \text { EARNED } \\ \$ 50 \\ \hline \end{array}$ | $\begin{array}{c\|} \hline \text { REDEMP. } \\ \text { VALUE } \\ \$ 75 \\ \hline \end{array}$ | INT. EARNED $\$ 75$ | $\begin{array}{\|c\|} \hline \text { REDEMP. } \\ \text { VALUE } \\ \$ 100 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { INT. } \\ \text { EARNED } \\ \$ 100 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline \text { REDEMP. } \\ \text { VALUE } \\ \$ 200 \\ \hline \end{array}$ | $\begin{array}{c\|} \hline \text { INT. } \\ \text { EARNED } \\ \$ 200 \\ \hline \end{array}$ | $\begin{gathered} \hline \text { REDEMP. } \\ \text { VALUE } \\ \$ 500 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { INT. } \\ \text { EARNED } \\ \$ 500 \\ \hline \end{gathered}$ | REDEMP. <br> VALUE <br> \$1,000 | INT. EARNED $\$ 1,000$ | REDEMP. <br> VALUE <br> \$5,000 | INT. EARNED $\$ 5,000$ | $\begin{gathered} \hline \text { REDEMP. } \\ \text { VALUE } \\ \$ 10,000 \\ \hline \end{gathered}$ | INT. EARNED \$10,000 | $\begin{aligned} & \hline \text { YIELD } \\ & \text { FROM } \\ & \text { ISSUE } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2011 | Jan - Dec |  |  |  |  |  |  |  |  | Not elig | ble for paym | ent |  |  |  |  |  |  |
| 2010 | Dec | 50.76 | 0.76 | 76.14 | 1.14 | 101.52 | 1.52 | 203.04 | 3.04 | 507.60 | 7.60 | 1,015.20 | 15.20 | 5,076.00 | 76.00 |  |  | 1.51\% |
| 2010 | Nov | 50.94 | 0.94 | 76.41 | 1.41 | 101.88 | 1.88 | 203.76 | 3.76 | 509.40 | 9.40 | 1,018.80 | 18.80 | 5,094.00 | 94.00 |  |  | 1.73\% |
| 2010 | Oct | 50.64 | 0.64 | 75.96 | 0.96 | 101.28 | 1.28 | 202.56 | 2.56 | 506.40 | 6.40 | 1,012.80 | 12.80 | 5,064.00 | 64.00 |  |  | 1.09\% |
| 2010 | Sep | 50.68 | 0.68 | 76.02 | 1.02 | 101.36 | 1.36 | 202.72 | 2.72 | 506.80 | 6.80 | 1,013.60 | 13.60 | 5,068.00 | 68.00 |  |  | 1.08\% |
| 2010 | Aug | 50.88 | 0.88 | 76.32 | 1.32 | 101.76 | 1.76 | 203.52 | 3.52 | 508.80 | 8.80 | 1,017.60 | 17.60 | 5,088.00 | 88.00 |  |  | 1.31\% |
| 2010 | Jul | 51.08 | 1.08 | 76.62 | 1.62 | 102.16 | 2.16 | 204.32 | 4.32 | 510.80 | 10.80 | 1,021.60 | 21.60 | 5,108.00 | 108.00 |  |  | 1.51\% |
| 2010 | Jun | 51.28 | 1.28 | 76.92 | 1.92 | 102.56 | 2.56 | 205.12 | 5.12 | 512.80 | 12.80 | 1,025.60 | 25.60 | 5,128.00 | 128.00 |  |  | 1.69\% |
| 2010 | May | 51.48 | 1.48 | 77.22 | 2.22 | 102.96 | 2.96 | 205.92 | 5.92 | 514.80 | 14.80 | 1,029.60 | 29.60 | 5,148.00 | 148.00 |  |  | 1.85\% |
| 2010 | Apr | 51.52 | 1.52 | 77.28 | 2.28 | 103.04 | 3.04 | 206.08 | 6.08 | 515.20 | 15.20 | 1,030.40 | 30.40 | 5,152.00 | 152.00 |  |  | 1.80\% |
| 2010 | Mar | 51.56 | 1.56 | 77.34 | 2.34 | 103.12 | 3.12 | 206.24 | 6.24 | 515.60 | 15.60 | 1,031.20 | 31.20 | 5,156.00 | 156.00 |  |  | 1.76\% |
| 2010 | Feb | 51.76 | 1.76 | 77.64 | 2.64 | 103.52 | 3.52 | 207.04 | 7.04 | 517.60 | 17.60 | 1,035.20 | 35.20 | 5,176.00 | 176.00 |  |  | 1.90\% |
| 2010 | Jan | 51.98 | 1.98 | 77.97 | 2.97 | 103.96 | 3.96 | 207.92 | 7.92 | 519.80 | 19.80 | 1,039.60 | 39.60 | 5,198.00 | 198.00 |  |  | 2.04\% |
| 2009 | Dec | 52.18 | 2.18 | 78.27 | 3.27 | 104.36 | 4.36 | 208.72 | 8.72 | 521.80 | 21.80 | 1,043.60 | 43.60 | 5,218.00 | 218.00 |  |  | 2.15\% |
| 2009 | Nov | 52.40 | 2.40 | 78.60 | 3.60 | 104.80 | 4.80 | 209.60 | 9.60 | 524.00 | 24.00 | 1,048.00 | 48.00 | 5,240.00 | 240.00 |  |  | 2.26\% |
| 2009 | Oct | 51.40 | 1.40 | 77.10 | 2.10 | 102.80 | 2.80 | 205.60 | 5.60 | 514.00 | 14.00 | 1,028.00 | 28.00 | 5,140.00 | 140.00 |  |  | 1.28\% |
| 2009 | Sep | 51.44 | 1.44 | 77.16 | 2.16 | 102.88 | 2.88 | 205.76 | 5.76 | 514.40 | 14.40 | 1,028.80 | 28.80 | 5,144.00 | 144.00 |  |  | 1.27\% |
| 2009 | Aug | 51.64 | 1.64 | 77.46 | 2.46 | 103.28 | 3.28 | 206.56 | 6.56 | 516.40 | 16.40 | 1,032.80 | 32.80 | 5,164.00 | 164.00 |  |  | 1.39\% |
| 2009 | Jul | 51.84 | 1.84 | 77.76 | 2.76 | 103.68 | 3.68 | 207.36 | 7.36 | 518.40 | 18.40 | 1,036.80 | 36.80 | 5,184.00 | 184.00 |  |  | 1.50\% |
| 2009 | Jun | 52.04 | 2.04 | 78.06 | 3.06 | 104.08 | 4.08 | 208.16 | 8.16 | 520.40 | 20.40 | 1,040.80 | 40.80 | 5,204.00 | 204.00 |  |  | 1.61\% |
| 2009 | May | 52.24 | 2.24 | 78.36 | 3.36 | 104.48 | 4.48 | 208.96 | 8.96 | 522.40 | 22.40 | 1,044.80 | 44.80 | 5,224.00 | 224.00 |  |  | 1.70\% |
| 2009 | Apr | 53.28 | 3.28 | 79.92 | 4.92 | 106.56 | 6.56 | 213.12 | 13.12 | 532.80 | 32.80 | 1,065.60 | 65.60 | 5,328.00 | 328.00 |  |  | 2.40\% |
| 2009 | Mar | 53.34 | 3.34 | 80.01 | 5.01 | 106.68 | 6.68 | 213.36 | 13.36 | 533.40 | 33.40 | 1,066.80 | 66.80 | 5,334.00 | 334.00 |  |  | 2.37\% |
| 2009 | Feb | 53.58 | 3.58 | 80.37 | 5.37 | 107.16 | 7.16 | 214.32 | 14.32 | 535.80 | 35.80 | 1,071.60 | 71.60 | 5,358.00 | 358.00 |  |  | 2.46\% |
| 2009 | Jan | 53.80 | 3.80 | 80.70 | 5.70 | 107.60 | 7.60 | 215.20 | 15.20 | 538.00 | 38.00 | 1,076.00 | 76.00 | 5,380.00 | 380.00 |  |  | 2.53\% |
| 2008 | Dec | 54.04 | 4.04 | 81.06 | 6.06 | 108.08 | 8.08 | 216.16 | 16.16 | 540.40 | 40.40 | 1,080.80 | 80.80 | 5,404.00 | 404.00 |  |  | 2.61\% |
| 2008 | Nov | 54.28 | 4.28 | 81.42 | 6.42 | 108.56 | 8.56 | 217.12 | 17.12 | 542.80 | 42.80 | 1,085.60 | 85.60 | 5,428.00 | 428.00 |  |  | 2.68\% |
| 2008 | Oct | 53.86 | 3.86 | 80.79 | 5.79 | 107.72 | 7.72 | 215.44 | 15.44 | 538.60 | 38.60 | 1,077.20 | 77.20 | 5,386.00 | 386.00 |  |  | 2.36\% |
| 2008 | Sep | 53.90 | 3.90 | 80.85 | 5.85 | 107.80 | 7.80 | 215.60 | 15.60 | 539.00 | 39.00 | 1,078.00 | 78.00 | 5,390.00 | 390.00 |  |  | 2.32\% |
| 2008 | Aug | 54.10 | 4.10 | 81.15 | 6.15 | 108.20 | 8.20 | 216.40 | 16.40 | 541.00 | 41.00 | 1,082.00 | 82.00 | 5,410.00 | 410.00 |  |  | 2.38\% |
| 2008 | Jul | 54.32 | 4.32 | 81.48 | 6.48 | 108.64 | 8.64 | 217.28 | 17.28 | 543.20 | 43.20 | 1,086.40 | 86.40 | 5,432.00 | 432.00 |  |  | 2.44\% |
| 2008 | Jun | 54.52 | 4.52 | 81.78 | 6.78 | 109.04 | 9.04 | 218.08 | 18.08 | 545.20 | 45.20 | 1,090.40 | 90.40 | 5,452.00 | 452.00 |  |  | 2.49\% |
| 2008 | May | 54.72 | 4.72 | 82.08 | 7.08 | 109.44 | 9.44 | 218.88 | 18.88 | 547.20 | 47.20 | 1,094.40 | 94.40 | 5,472.00 | 472.00 |  |  | 2.53\% |
| 2008 | Apr | 56.64 | 6.64 | 84.96 | 9.96 | 113.28 | 13.28 | 226.56 | 26.56 | 566.40 | 66.40 | 1,132.80 | 132.80 | 5,664.00 | 664.00 |  |  | 3.43\% |
| 2008 | Mar | 56.72 | 6.72 | 85.08 | 10.08 | 113.44 | 13.44 | 226.88 | 26.88 | 567.20 | 67.20 | 1,134.40 | 134.40 | 5,672.00 | 672.00 |  |  | 3.39\% |
| 2008 | Feb | 57.00 | 7.00 | 85.50 | 10.50 | 114.00 | 14.00 | 228.00 | 28.00 | 570.00 | 70.00 | 1,140.00 | 140.00 | 5,700.00 | 700.00 |  |  | 3.45\% |
| 2008 | Jan | 57.26 | 7.26 | 85.89 | 10.89 | 114.52 | 14.52 | 229.04 | 29.04 | 572.60 | 72.60 | 1,145.20 | 145.20 | 5,726.00 | 726.00 | 11,452.00 | 1,452.00 | 3.49\% |

## REDEMPTION VALUES AND INTEREST EARNED

|  |  |  |  |  |  |  |  |  |  |  | ò |  | ने |  | － | － | － |  | ¢ | $\stackrel{\circ}{\circ}$ | $\left\|\begin{array}{l} ल \\ ल \\ m \end{array}\right\|$ |  |  | $\stackrel{\infty}{\infty}$ | ¢ |  |  |  |  |  |  | － |  | m |  | － |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & 0 \\ & 0 \\ & \dot{C} \\ & 0 \end{aligned}$ |  | $\begin{aligned} & \hline 8 \\ & \infty \\ & \infty \end{aligned}$ |  | Bo |  |  |  |  | 0 <br> 0 <br> 0 <br> 0 <br> 0 |  |  |  |  |  | $\left(\begin{array}{c} 0 \\ \underset{N}{N} \\ \underset{N}{N} \\ \sim \end{array}\right.$ | N | $\begin{aligned} & \mathrm{O} \\ & \stackrel{\rightharpoonup}{6} \\ & \underset{\sim}{n} \end{aligned}$ | 0 0 0 $j$ $i$ | O N ल N N | － | O | O |  |  | N | － | O | $\begin{aligned} & \mathrm{O} \\ & \dot{d} \\ & \dot{d} \\ & \mathrm{~N} \end{aligned}$ |  | $\begin{gathered} \mathrm{O} \\ 0 \\ O_{0} \\ 0 \\ \mathrm{~m} \end{gathered}$ | $\left\|\begin{array}{c} \mathrm{O} \\ \underset{\mathrm{~N}}{ } \\ \hat{\mathrm{O}} \\ \mathrm{~N} \end{array}\right\|$ | $\left.\begin{array}{\|c} 0 \\ 0 \\ 0 \\ 0 \\ i \\ i \end{array} \right\rvert\,$ |  |  |
|  | $\left\|\begin{array}{l} 0 \\ 0 \\ 0 \\ 7 \\ 7 \end{array}\right\|$ |  | Boi | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \underset{i}{7} \end{aligned}$ |  | 8 |  |  | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline 0 \\ & \hline \end{aligned}$ |  |  |  |  |  |  |  |  | Ni\| |  | $\begin{aligned} & \hline 8 \\ & \dot{0} \\ & \dot{y} \\ & \text { j} \end{aligned}$ | $\left.\begin{array}{\|c} \hline \mathrm{O} \\ \mathrm{~N} \\ \mathrm{~N} \\ \mathrm{M} \end{array} \right\rvert\,$ | － | $\begin{gathered} o \\ o \\ \underset{\sim}{\tilde{j}} \\ \underset{\sim}{2} \end{gathered}$ |  | $\begin{aligned} & \text { + } \\ & \text { O} \\ & \text { An } \end{aligned}$ | － | N | N N N N | － | － | $\begin{array}{\|l} \hline \mathrm{O} \\ \dot{\mathrm{~S}} \\ \mathrm{O} \\ \end{array}$ |  | $\left\|\begin{array}{c} \mathrm{O} \\ \underset{\mathrm{j}}{\mathrm{O}} \\ \mathrm{y} \\ \mathrm{H} \end{array}\right\|$ | $\left\|\begin{array}{c} o \\ 0 \\ 0 \\ 0 \\ \underset{y}{c} \end{array}\right\|$ |  | $\begin{aligned} & 8 \\ & 0 \\ & 0 \\ & 8 \end{aligned}$ |
|  | $\left\lvert\, \begin{aligned} & \dot{\alpha} \\ & \substack{2} \end{aligned}\right.$ | $\left\|\begin{array}{c} 0 \\ \dot{\sim} \\ \dot{x} \end{array}\right\|$ | $\dot{\infty}$ |  |  | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & \infty \end{aligned}$ |  |  | O |  |  |  | $\begin{aligned} & \mathrm{O} \\ & \underset{\sim}{\infty} \\ & \text { n } \end{aligned}$ |  |  | $\begin{aligned} & 8 \\ & \hline 0 \\ & 0 \\ & 0 \\ & \hline-1 \\ & \hline 1 \\ & \hline \end{aligned}$ | $\begin{aligned} & 8 \\ & 0 \\ & \vdots \\ & \\ & \hline 1 \end{aligned}$ | $8$ | $\begin{aligned} & 0 \\ & \infty \\ & \underset{\sim}{0} \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \text { N } \\ & \text { N } \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & 0 \\ & 0 \\ & 9 \end{aligned}$ | $\dot{9}$ | $\|\underset{\sim}{\underset{\sim}{\mathrm{N}}}\|$ | 신 | 覀 |  | $\underset{m}{\infty}$ | $\begin{aligned} & 0 \\ & 9 \\ & \hline 7 \end{aligned}$ | f | $\begin{gathered} -0 \\ \underset{N}{f} \\ \hline \end{gathered}$ |  | $\begin{array}{\|c\|c\|} \hline-1 \\ \underset{\sim}{N} \\ \end{array}$ | $\left.\begin{array}{\|c\|} \hline 0 \\ 0 \\ \dot{0} \\ \underset{y}{2} \end{array} \right\rvert\,$ | $\begin{array}{\|l\|} \hline 0 \\ \substack{4 \\ 1 \\ \hline} \end{array}$ | $\begin{aligned} & \hline 8 \\ & \hline \end{aligned}$ |  |
|  | $\left\lvert\, \begin{aligned} & \text { 号 } \end{aligned}\right.$ |  | plo | $\begin{gathered} \dot{d} \\ \stackrel{N}{n} \\ \stackrel{n}{2} \end{gathered}$ |  | $\begin{aligned} & \infty \\ & \infty \\ & 0 \end{aligned}$ |  |  | $$ |  |  |  | $\begin{aligned} & \mathrm{O} \\ & \underset{\sim}{\infty} \end{aligned}$ |  | 0 <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 |  | 0 0 0 0 0 0 0 | OO | $\underset{\square}{\circ}$ | - | $\begin{aligned} & 8 \\ & 0 \\ & 0 \\ & 6 \\ & 6 \end{aligned}$ |  |  | 설 | ¢ |  |  | － |  | $\left\|\begin{array}{c} 0 \\ \underset{\sim}{\mathrm{j}} \\ \underset{\sim}{6} \end{array}\right\|$ | $\left\|\begin{array}{c} \mathrm{O} \\ \mathrm{O} \\ \mathrm{O} \end{array}\right\|$ | $\begin{array}{\|c} \substack{\mathrm{O} \\ \underset{\sim}{n} \\ \dot{c} \\ \hline} \end{array}$ | $\left\|\begin{array}{c} 0 \\ \underset{y}{y} \\ \dot{0} \end{array}\right\|$ | $\begin{array}{\|c\|} \hline 0 \\ \substack{1 \\ ~ \\ \hline \\ 0 \\ \hline} \end{array}$ |  |  |
|  | $0$ | $\left\lvert\, \begin{aligned} & 9 \\ & \substack{9 \\ i} \end{aligned}\right.$ | $0$ | $\left.\begin{aligned} & \infty \\ & 0 \\ & 0 \\ & n_{1} \end{aligned} \right\rvert\,$ | $\begin{aligned} & \mathrm{O} \\ & \dot{+} \\ & \hline 1 \end{aligned}$ |  |  |  |  |  |  |  | $\left.\begin{array}{\|l\|} \hline 6 \\ 1 \\ n \end{array} \right\rvert\,$ | N্N্N |  |  | $\underset{\sim}{N}$ | $\begin{gathered} \underset{N}{N} \\ \text { N } \end{gathered}$ |  |  | N |  |  | $\stackrel{\circ}{\circ}$ | $\begin{aligned} & \mathrm{F} \\ & \stackrel{\sim}{\mathrm{~N}} \end{aligned}$ |  | $1 \underset{N}{n}$ | $\|\underset{\sim}{\infty}\|$ |  |  | $\begin{aligned} & \hline 9 \\ & \dot{c} \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & \dot{C} \\ & \text { in } \end{aligned}$ |  | $\left\|\begin{array}{l} 0 \\ 0 \\ \dot{\sim} \\ \underset{\sim}{2} \end{array}\right\|$ |  |  |
|  | $\left\lvert\, \begin{aligned} & \infty \\ & 0 \\ & 0 \\ & 0 \\ & i \end{aligned}\right.$ | $\begin{aligned} & \substack{9 \\ 0 \\ 0 \\ 0} \end{aligned}$ |  | $\left\|\begin{array}{l} \infty \\ \infty \\ 0 \\ \underset{\sim}{0} \end{array}\right\|$ |  | $\begin{aligned} & 0 \\ & 7 \\ & \hline \end{aligned}$ |  |  |  | இ் |  |  | $\mid$ |  |  |  | $\underset{\sim}{\underset{N}{N}}$ | N్లై |  |  | Non | $\stackrel{\sim}{\sim}$ | $\underset{\sim}{G}$ | $\stackrel{\text { ¢ }}{ }$ | $\begin{aligned} & \underset{\sim}{\dot{\sim}} \\ & \stackrel{\sim}{n} \end{aligned}$ | $8$ | $\underset{N}{N}$ | $\begin{aligned} & 0 \\ & \dot{\sim} \\ & \text { N } \end{aligned}$ | on | $\begin{gathered} o \\ \underset{\sim}{\dot{N}} \\ \underset{\sim}{2} \end{gathered}$ | 웅 |  | $\left\|\begin{array}{c} N \\ \underset{\sim}{\infty} \\ \underset{\sim}{2} \end{array}\right\|$ | $\left\lvert\, \begin{aligned} & \infty \\ & 0 \\ & 0 \\ & \hline \end{aligned}\right.$ |  |  |
|  | $\stackrel{y}{c}$ | $\begin{gathered} \underset{\sim}{N} \\ \underset{\sim}{\infty} \end{gathered}$ |  |  | $\begin{gathered} \stackrel{\rightharpoonup}{N} \\ \underset{\infty}{2} \end{gathered}$ | $\mid$ |  |  | $\begin{array}{l\|c} \hline 0 \\ 0 \\ \hline \end{array}$ |  | $\begin{array}{l\|c} \infty \\ \dot{\infty} \\ \dot{\infty} \\ \hline \end{array}$ |  | $\begin{aligned} & \dot{0} \\ & \underset{~}{\mathrm{H}} \end{aligned}$ | $\mathfrak{F}$ |  |  | $\begin{aligned} & 0 \\ & \substack{1 \\ ~ \\ \\ \hline} \end{aligned}$ | － | $\begin{aligned} & \infty \\ & \underset{~}{\infty} \\ & \hline \end{aligned}$ | $\begin{aligned} & 8 \\ & \underset{\sim}{\mathrm{~N}} \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & -1 \end{aligned}$ | $\begin{aligned} & 0 \\ & \hline 0 \\ & \hline-1 \end{aligned}$ | $\begin{gathered} \underset{\sim}{\tilde{N}} \\ \underset{\sim}{\mathrm{~N}} \end{gathered}$ | $\begin{aligned} & \text { 울 } \\ & \underset{\sim}{n} \end{aligned}$ | $\begin{aligned} & \text { N} \\ & \text { m } \\ & \end{aligned}$ | On |  | 7 | $\dot{\mathbb{y}}$ | $\begin{array}{\|c} \underset{\sim}{2} \\ \underset{\sim}{c} \end{array}$ | $\begin{array}{\|l} \mathbf{N} \\ \mathbf{N} \\ \mathbf{n} \end{array}$ | $\left\lvert\, \begin{gathered} o \\ \underset{\sim}{\mathrm{~N}} \\ \underset{\sim}{2} \end{gathered}\right.$ | $\left\|\begin{array}{c} \underset{O}{\underset{~}{\mathcal{G}}} \end{array}\right\|$ | $\left\lvert\, \begin{gathered} 9 \\ \stackrel{y}{4} \\ \underset{y}{2} \end{gathered}\right.$ |  |  |
|  | $\left\|\begin{array}{c} 7 \\ \stackrel{n}{2} \\ i \end{array}\right\|$ | $\left\|\begin{array}{l} N \\ \infty \\ n \\ n \end{array}\right\|$ | $\left.\begin{gathered} \infty \\ n \\ i \end{gathered} \right\rvert\,$ |  |  | No | B\|c| |  |  |  | $\dot{O}$ |  | $\left.\begin{aligned} & 0 \\ & \underset{0}{3} \\ & \underset{\sim}{u} \end{aligned} \right\rvert\,$ | $\stackrel{\rightharpoonup}{6}$ |  | $\left\|\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \end{array}\right\|$ | $\begin{aligned} & 1 \\ & \hline \\ & \hline \\ & \hline 1 \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 \\ & \hline 0 \end{aligned}$ | $\begin{array}{\|c} \infty \\ \underset{0}{0} \end{array}$ | $\begin{aligned} & \hline \mathrm{O} \\ & \underset{\sim}{\mathrm{~N}} \end{aligned}$ | 0 <br>  <br> - |  |  | N | $\begin{gathered} \text { No } \\ \text { Nu } \\ \text { Non } \end{gathered}$ | － | $\stackrel{\sim}{\mathrm{N}}$ | Fug | $\begin{array}{\|c\|} \hline \\ \dot{G} \\ \hline \end{array}$ | $\begin{gathered} \underset{\sim}{n} \\ \underset{d}{d} \\ \dot{c} \end{gathered}$ | $\begin{array}{\|c\|} \hline \stackrel{y}{N} \\ \stackrel{3}{3} \\ \hline \end{array}$ |  | $\left\|\begin{array}{c} \underset{0}{0} \\ \underset{\sim}{\dot{G}} \end{array}\right\|$ |  | $\begin{aligned} & \stackrel{\rightharpoonup}{9} \\ & \dot{0} \\ & \underset{o}{0} \end{aligned}$ |  |
|  | $\begin{aligned} & 0 \\ & \hline 1 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{gathered} \infty \\ \underset{m}{1} \\ \hline \end{gathered}$ |  |  |  | $\begin{gathered} \dot{c} \\ \stackrel{y}{\mid c} \\ \hline \end{gathered}$ |  | $\dot{M}$ | $\dot{e}$ | $\stackrel{\mathrm{c}}{\mathrm{~m}}$ | $\stackrel{N}{\sim}$ |  | $\left.\begin{array}{\|c} \underset{\sim}{7} \\ \dot{y} \end{array} \right\rvert\,$ | $\dot{\circ}$ | $\dot{q} \mid \underset{\sim}{\dot{q}}$ |  |  | $\%$ | $\stackrel{\rightharpoonup}{f}$ | $\begin{aligned} & \infty \\ & \infty \\ & \infty \\ & \dot{\sigma} \end{aligned}$ | $$ | テ | $\mid \underset{f}{\infty}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | － | $\bigcirc$ | 令 | ¢ | in | $\begin{aligned} & \infty \\ & \infty \\ & \infty \\ & n_{1} \end{aligned}$ | $\begin{aligned} & \infty \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 8 \\ & 0 \\ & 0 \end{aligned}$ |  | $\left\|\begin{array}{l} 0 \\ 0 \\ 0 \\ 0 \end{array}\right\|$ |  |  |
|  | $\begin{array}{\|c} \substack{1 \\ \underset{\sim}{n} \\ \hline} \end{array}$ | $\begin{aligned} & \infty \\ & \underset{\sim}{n} \\ & \underset{\sim}{2} \end{aligned}$ |  | $\underset{\sim}{\sim}$ |  |  |  | $\stackrel{N}{N}$ |  |  |  | $\stackrel{\sim}{\sim}$ | $\left\|\begin{array}{c} \underset{\sim}{n} \\ \underset{\sim}{c} \end{array}\right\|$ |  | $\underset{\sim}{c} \underset{\sim}{i}$ |  | $\left\lvert\, \begin{gathered} \dot{H} \\ \stackrel{3}{2} \\ \underset{\sim}{2} \end{gathered}\right.$ | $\stackrel{0}{\sim}$ | $\stackrel{+}{\sim}$ | $\begin{aligned} & \infty \\ & \underset{\sim}{\infty} \\ & \sim \end{aligned}$ | $$ | $\underset{\sim}{\mathcal{G}}$ | $\stackrel{\infty}{\sim}$ | $\begin{aligned} & \infty \\ & 0 \\ & 0 \\ & \underset{N}{n} \end{aligned}$ | $\begin{array}{\|c} \infty \\ \underset{\sim}{2} \\ \end{array}$ | N |  | \| | $\stackrel{N}{N}$ | $\left\|\begin{array}{l} \infty \\ 0 \\ \underset{\sim}{0} \end{array}\right\|$ | $\begin{array}{\|c\|} \hline 0 \\ 0 \\ 0 \\ 0 \\ \hline \end{array}$ | $\left\|\begin{array}{l} 0 \\ 0 \\ 0 \\ 0 \\ \hline \end{array}\right\|$ |  | $\left\|\begin{array}{l} \underset{0}{0} \\ \underset{\sim}{2} \end{array}\right\|$ |  |  |
|  | － |  |  |  |  | $\underset{~}{\mathbf{~}}$ |  |  | $a_{i}^{\infty}$ |  |  |  | N |  | $\underset{\sim}{\sim}$ | $\underset{\sim}{\mathrm{N}} \underset{\sim}{2}$ | $\hat{N}$ | N゙ | $\stackrel{\sim}{N}$ | $\begin{aligned} & \underset{o}{q} \\ & \dot{\sim} \end{aligned}$ | $\stackrel{\substack{n}}{\sim}$ | N゙ | $\underset{\sim}{\underset{\sim}{\prime}}$ | ị | $\begin{aligned} & \text { O } \\ & \stackrel{1}{\mathrm{~N}} \end{aligned}$ | O | $\stackrel{N}{N}$ |  | $\left\|\begin{array}{l} \infty \\ \underset{\sim}{\infty} \end{array}\right\|$ | $\begin{aligned} & z \\ & \underset{\sim}{2} \end{aligned}$ | $\begin{array}{\|c} \hline \\ \hline \\ \vdots \\ \hline \end{array}$ | $\begin{aligned} & \infty \\ & \substack{c \\ c \\ \hline} \end{aligned}$ | $\left\|\begin{array}{\|c\|} \infty \\ \infty \\ \infty \end{array}\right\|$ | $\dot{\alpha}$ |  | $\dot{\sim} \dot{\sim} \mid$ |
|  | $\left\|\begin{array}{l} 0 \\ \mathrm{O} \\ \mathrm{n} \end{array}\right\|$ | $\begin{aligned} & 0 \\ & \stackrel{\rightharpoonup}{n} \\ & \hline \end{aligned}$ | 7 |  |  |  |  |  | $\frac{0}{9}$ |  |  |  | \|ọ |  |  |  | $\begin{aligned} & \mathrm{N} \\ & \underset{N}{\mathrm{~N}} \end{aligned}$ | $\stackrel{\sim}{\mathrm{N}}$ |  |  | $\begin{aligned} & \underset{\sim}{\sim} \\ & \underset{\sim}{3} \end{aligned}$ | Nָ | $\stackrel{\otimes}{\text { }}$ | $\begin{array}{\|c} \hline \underset{\sim}{n} \\ \underset{A}{2} \end{array}$ |  | $\stackrel{\sim}{*}$ | $\underset{\sim}{N}$ | $\left\lvert\, \begin{gathered} \mathrm{N} \\ \infty \\ \underset{\sim}{\infty} \end{gathered}\right.$ | $\left\lvert\, \begin{gathered} \infty \\ 0 \\ \\ \end{gathered}\right.$ | $\begin{gathered} \text { Z } \\ \underset{\sim}{2} \end{gathered}$ | $$ |  | $\left\lvert\, \begin{array}{\|c\|c\|} \substack{0 \\ \underset{A}{0} \\ \hline} \end{array}\right.$ | $\begin{aligned} & \infty \\ & \underset{\sim}{\infty} \\ & \underset{\sim}{2} \end{aligned}$ |  | $\dot{\mathrm{y}}$ |
|  | 㐌 |  |  |  | $\stackrel{\text { Hi\|l }}{\substack{\mathrm{N}}}$ | $\underset{\sim}{\dot{y}} \mid \underset{\sim}{\prime}$ |  | $\underset{\sim}{n} \dot{M}$ |  |  |  | $\dot{A}$ | $\left\|\begin{array}{c} 9 \\ \dot{C} \end{array}\right\|$ |  |  |  | $\begin{array}{\|c} \substack{0 \\ \vdots \\ \\ \hline} \end{array}$ | $\underset{~}{~}$ | $\stackrel{0}{7}$ | $\begin{gathered} \underset{M}{0} \\ \infty \\ \underset{0}{2} \end{gathered}$ | $\begin{array}{\|c} \underset{\sim}{7} \\ \underset{~}{2} \end{array}$ | $\underset{A}{1}$ |  | $\left.\begin{gathered} \infty \\ \sim \\ \infty \\ \infty \end{gathered} \right\rvert\,$ | $\begin{aligned} & \text { N్ } \\ & \text { Nan } \end{aligned}$ | 9 | வ் | $\left\|\begin{array}{l} \stackrel{\sim}{1} \\ \underset{\sim}{2} \end{array}\right\|$ | $\begin{array}{\|c} 0 \\ \dot{i} \\ \underset{i}{2} \end{array}$ | $\begin{aligned} & \infty \\ & \underset{\sim}{\infty} \end{aligned}$ | $\begin{aligned} & \mathfrak{n} \\ & \underset{\sim}{N} \end{aligned}$ | $\begin{aligned} & \ddot{0} \\ & \underset{\sim}{n} \end{aligned}$ | $\left\|\begin{array}{l} \underset{\sim}{2} \\ \underset{i}{2} \end{array}\right\|$ | $\left\|\begin{array}{l} \infty \\ \underset{N}{N} \end{array}\right\|$ |  | ̇ |
|  | － | $\left\|\begin{array}{l} n \\ \vdots \\ \infty \end{array}\right\|$ |  | $\begin{array}{ll} \circ & \underset{\infty}{\infty} \\ \hline \infty \\ \hline \end{array}$ | $\stackrel{\substack{m \\ \underset{\infty}{\infty} \\ \hline}}{ }$ |  | $\begin{gathered} \stackrel{N}{\infty} \underset{\infty}{\infty} \\ \underset{\infty}{\infty} \\ \infty \\ \infty \end{gathered}$ | $\infty$ | $\infty$ | $\begin{aligned} & \text { O- } \\ & \dot{\infty} \\ & \hline \end{aligned}$ |  | $\stackrel{\rightharpoonup}{\infty} \dot{\infty} \dot{\infty}$ | $\begin{aligned} & \underset{\sim}{\alpha} \\ & \dot{\sigma} \end{aligned}$ | $\begin{gathered} \stackrel{N}{N} \\ \underset{\sim}{\circ} \end{gathered}$ |  | $\begin{aligned} & 4 \\ & \underset{\sim}{3} \\ & \vdots \\ & \hline \end{aligned}$ |  | 内ૂં | ๗ | $\begin{aligned} & \mathrm{M} \\ & \underset{\sim}{3} \end{aligned}$ |  | ภู่ | M్. | $\begin{aligned} & \infty \\ & \\ & \underset{\sim}{2} \end{aligned}$ | $\begin{gathered} \tilde{N} \\ \underset{\sim}{\circ} \end{gathered}$ | － | \|ஜ் | $8$ | $\begin{aligned} & \hline 0 \\ & 0 \\ & 8 \end{aligned}$ | $\begin{aligned} & \infty \\ & 0 \\ & \dot{8} \end{aligned}$ | $\begin{aligned} & \underset{N}{n} \\ & \underset{\sim}{n} \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & \underset{\sim}{2} \end{aligned}$ | $\left.\begin{array}{\|c} \hline \underset{\sim}{e} \\ \dot{8} \end{array} \right\rvert\,$ | $\left\|\begin{array}{l} 0 \\ \dot{8} \\ \dot{8} \end{array}\right\|$ |  |  |
| $=\underset{山}{4}$ | ？ | － | $\stackrel{+}{\infty}$ | $\underset{\sim}{\infty} \underset{\sim}{9}$ |  | $\begin{array}{cc} \mathbf{N} & 0 \\ 0 & 0 \\ \hline 0 & 0 \\ \hline \end{array}$ |  |  |  |  |  |  | $\stackrel{\sim}{\sim}$ | $\stackrel{\square}{7}$ | － | － | M | － | － | － | － | － | $\stackrel{\text { N}}{ }$ | N | N | M | $\stackrel{\sim}{-}$ | $\stackrel{\mathrm{O}}{-}$ | O | $\stackrel{\text { N}}{\substack{\text { ¢ }}}$ | N | $\left\lvert\, \begin{gathered} \underset{\sim}{n} \\ \underset{\sim}{n} \end{gathered}\right.$ | $\left\lvert\, \begin{gathered} \stackrel{\rightharpoonup}{\underset{~}{\underset{~}{2}}} \\ \hline \end{gathered}\right.$ | $\left\|\begin{array}{l} n \\ \underset{A}{n} \end{array}\right\|$ | $\stackrel{\text {－}}{ }$ | $\stackrel{\infty}{1}$ |
|  | $\stackrel{\sim}{\sim}$ | $\left\lvert\, \begin{aligned} & \infty \\ & 0 \\ & \\ & \hline \end{aligned}\right.$ | $\begin{aligned} & + \\ & \infty \\ & \end{aligned}$ |  | $\underset{\sim}{n}$ |  |  | $\begin{array}{c\|c} \infty \\ \infty \\ 0 \\ 0 & 0 \\ \hline \end{array}$ |  | $\begin{gathered} 9 \\ \underset{\sim}{2} \\ \hline \end{gathered}$ |  |  | $\begin{gathered} \infty \\ \underset{i}{0} \\ \dot{0} \end{gathered}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ |  |  | io |  |  | $\begin{aligned} & \underset{\sim}{\mathrm{N}} \\ & \underset{\sim}{\mathrm{O}} \end{aligned}$ | $\begin{array}{\|c} 0 \\ 0 \\ i \end{array}$ | -i | $\underset{\sim}{\sim}$ | $\begin{aligned} & \text { N్ } \\ & \text { Nid } \end{aligned}$ | $\begin{array}{\|c\|} \infty \\ \underset{\sim}{\mathrm{j}} \end{array}$ | ก | $\underset{\sim}{N}$ | $\begin{aligned} & 0 . \\ & \text { - } \\ & \dot{B} \end{aligned}$ | $\begin{aligned} & \dot{o} \\ & \dot{d} \\ & \dot{0} \end{aligned}$ | $\begin{aligned} & N \\ & \underset{U}{0} \\ & \dot{U} \end{aligned}$ | $\begin{array}{\|c} \hline 0 \\ \hline 10 \\ \hline 10 \end{array}$ | $\begin{aligned} & \underset{\sim}{N} \\ & \underset{i}{n} \end{aligned}$ | $\left\|\begin{array}{c} \underset{\sim}{\mathrm{N}} \\ \dot{U} \end{array}\right\|$ |  | $\stackrel{\infty}{\dot{O}}$ |  |
| $\stackrel{刃}{\sim}$ | ט | \％ |  | $\stackrel{\rightharpoonup}{4})$ |  | $\frac{1}{9}$ | 玉認 | 三n | $\sum_{\substack{~} \frac{亠}{4}}^{2}$ | 亨 | $\sum_{i}^{\pi}$ | ix 둘 | $\stackrel{\otimes}{0}$ |  | $\begin{gathered} 0 \\ 20 \\ \hline 0 \end{gathered}$ |  | $5$ |  |  | $\stackrel{\rightharpoonup}{\mathrm{x}}$ | $\stackrel{\rightharpoonup}{4}$ |  | 은 | స | $\begin{aligned} & 0 \\ & 0 \\ & \hline \end{aligned}$ | Z | $0$ | $\stackrel{\circ}{0}$ | $5$ | इ | $\begin{aligned} & \cong \\ & n \end{aligned}$ | त्ञा\| | 흔 | ${ }_{2}^{\text {® }}$ |  | $\stackrel{\sim}{1}$ |
| $\underset{\sim}{\underset{\sim}{e}}$ | \|el | $\mid \hat{o}$ |  | 人̀⿳亠丷厂犬 | $\underset{\sim}{2} \underset{\sim}{\mathrm{~N}}$ |  | $\underset{\sim}{\hat{N}}$ |  |  |  |  |  |  |  |  |  | $8$ |  |  |  | $\begin{aligned} & 0 \\ & \hline \end{aligned}$ | $8$ |  | $$ | No io |  | $\mid$ | $\begin{array}{\|l\|l\|l\|l\|} \hline 0 \mathrm{O} \\ \hline \end{array}$ | Be | oig | $\left\lvert\, \begin{aligned} & \circ \\ & \hline 0 \\ & \hline \end{aligned}\right.$ | $3$ | $\left\lvert\, \begin{aligned} & 0 \\ & 0 \\ & 0 \end{aligned}\right.$ | $\left\lvert\, \begin{array}{\|l\|l\|l\|} \hline 0 \\ \hline \end{array}\right.$ |  | O\| |

## DECEMBER 2011

## $\stackrel{\overline{4}}{\stackrel{y}{w}}$

| $\begin{aligned} & \text { ISSUE } \\ & \text { YEAR } \end{aligned}$ | ISSUE MONTHS | $\begin{array}{\|c\|} \hline \text { REDEMP. } \\ \text { VALUE } \\ \$ 50 \end{array}$ | $\begin{array}{\|c\|} \hline \text { INT. } \\ \text { EARNED } \\ \$ 50 \\ \hline \end{array}$ | REDEMP. VALUE $\$ 75$ <br> $\$ 75$ | $\begin{gathered} \text { INT. } \\ \text { EARND } \\ \text { S75 } \end{gathered}$ | $\begin{array}{c\|} \hline \text { REDEMP. } \\ \text { VALUE } \\ \$ 100 \\ \hline \end{array}$ | $\begin{array}{c\|} \hline \text { INT. } \\ \text { EARNED } \\ \$ 100 \\ \hline \end{array}$ | REDEMP. <br> VALUE <br> $\$ 200$ <br> $\$ 200$ | $\begin{array}{\|c\|} \hline \text { INTT. } \\ \text { EARNED } \\ \text { \$200 } \end{array}$ | $\begin{gathered} \hline \text { REDEMP. } \\ \text { VALUE } \\ \$ 500 \\ \hline \end{gathered}$ | $\begin{gathered} \text { INT. } \\ \text { EARNED } \\ \$ 500 \\ \hline \end{gathered}$ | $\begin{aligned} & \hline \text { REDEMP. } \\ & \text { VALUE } \\ & \$ 1,000 \\ & \hline \end{aligned}$ | $\begin{gathered} \text { INT. } \\ \text { EARNED } \\ \$ 1,000 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { REDEMP. } \\ \text { VALUE } \\ \$ 5,000 \\ \hline \end{gathered}$ | $\begin{gathered} \text { INT. } \\ \text { EARNED } \\ \$ 5,000 \\ \hline \end{gathered}$ | $\begin{aligned} & \text { REDEMP. } \\ & \text { VALUE } \\ & \$ 10,000 \end{aligned}$ | $\begin{gathered} \hline \text { INT. } \\ \text { EARNED } \\ \$ 10,000 \\ \hline \end{gathered}$ | $\begin{aligned} & \text { YIELD } \\ & \text { FROM } \end{aligned}$ ISSUE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2004 | Dec | 65.44 | 15.44 | 98.16 | 23.16 | 130.88 | 30.88 | 261.76 | 61.76 | 654.40 | 154.40 | 1,308.80 | 308.80 | 6,544.00 | 1,544.00 | 13,088.00 | 3,088.00 | 3.88\% |
| 2004 | Nov | 65.66 | 15.66 | 98.49 | 23.49 | 131.32 | 31.32 | 262.64 | 62.64 | 656.60 | 156.60 | 1,313.20 | 313.20 | 6,566.00 | 1,566.00 | 13,132.00 | 3,132.00 | 3.88\% |
| 2004 | Oct | 65.34 | 15.34 | 98.01 | 23.01 | 130.68 | 30.68 | 261.36 | 61.36 | 653.40 | 153.40 | 1,306.80 | 306.80 | 6,534.00 | 1,534.00 | 13,068.00 | 3,068.00 | 3.77\% |
| 2004 | Sep | 65.64 | 15.64 | 98.46 | 23.46 | 131.28 | 31.28 | 262.56 | 62.56 | 656.40 | 156.40 | 1,312.80 | 312.80 | 6,564.00 | 1,564.00 | 13,128.00 | 3,128.00 | 3.79\% |
| 2004 | Aug | 65.94 | 15.94 | 98.91 | 23.91 | 131.88 | 31.88 | 263.76 | 63.76 | 659.40 | 159.40 | 1,318.80 | 318.80 | 6,594.00 | 1,594.00 | 13,188.00 | 3,188.00 | 3.81\% |
| 2004 | Jul | 66.26 | 16.26 | 99.39 | 24.39 | 132.52 | 32.52 | 265.04 | 65.04 | 662.60 | 162.60 | 1,325.20 | 325.20 | 6,626.00 | 1,626.00 | 13,252.00 | 3,252.00 | 3.83\% |
| 2004 | Jun | 66.56 | 16.56 | 99.84 | 24.84 | 133.12 | 33.12 | 266.24 | 66.24 | 665.60 | 165.60 | 1,331.20 | 331.20 | 6,656.00 | 1,656.00 | 13,312.00 | 3,312.00 | 3.85\% |
| 2004 | May | 66.78 | 16.78 | 100.17 | 25.17 | 133.56 | 33.56 | 267.12 | 67.12 | 667.80 | 167.80 | 1,335.60 | 335.60 | 6,678.00 | 1,678.00 | 13,356.00 | 3,356.00 | 3.85\% |
| 2004 | Apr | 66.48 | 16.48 | 99.72 | 24.72 | 132.96 | 32.96 | 265.92 | 65.92 | 664.80 | 164.80 | 1,329.60 | 329.60 | 6,648.00 | 1,648.00 | 13,296.00 | 3,296.00 | 3.75\% |
| 2004 | Mar | 66.80 | 16.80 | 100.20 | 25.20 | 133.60 | 33.60 | 267.20 | 67.20 | 668.00 | 168.00 | 1,336.00 | 336.00 | 6,680.00 | 1,680.00 | 13,360.00 | 3,360.00 | 3.77\% |
| 2004 | Feb | 67.12 | 17.12 | 100.68 | 25.68 | 134.24 | 34.24 | 268.48 | 68.48 | 671.20 | 171.20 | 1,342.40 | 342.40 | 6,712.00 | 1,712.00 | 13,424.00 | 3,424.00 | 3.79\% |
| 2004 | Jan | 67.42 | 17.42 | 101.13 | 26.13 | 134.84 | 34.84 | 269.68 | 69.68 | 674.20 | 174.20 | 1,348.40 | 348.40 | 6,742.00 | 1,742.00 | 13,484.00 | 3,484.00 | 3.81\% |
| 2003 | Dec | 67.74 | 17.74 | 101.61 | 26.61 | 135.48 | 35.48 | 270.96 | 70.96 | 677.40 | 177.40 | 1,354.80 | 354.80 | 6,774.00 | 1,774.00 | 13,548.00 | 3,548.00 | 3.83\% |
| 2003 | Nov | 67.98 | 17.98 | 101.97 | 26.97 | 135.96 | 35.96 | 271.92 | 71.92 | 679.80 | 179.80 | 1,359.60 | 359.60 | 6,798.00 | 1,798.00 | 13,596.00 | 3,596.00 | 3.84\% |
| 2003 | Oct | 68.06 | 18.06 | 102.09 | 27.09 | 136.12 | 36.12 | 272.24 | 72.24 | 680.60 | 180.60 | 1,361.20 | 361.20 | 6,806.00 | 1,806.00 | 13,612.00 | 3,612.00 | 3.81\% |
| 2003 | Sep | 68.38 | 18.38 | 102.57 | 27.57 | 136.76 | 36.76 | 273.52 | 73.52 | 683.80 | 183.80 | 1,367.60 | 367.60 | 6,838.00 | 1,838.00 | 13,676.00 | 3,676.00 | 3.83\% |
| 2003 | Aug | 68.70 | 18.70 | 103.05 | 28.05 | 137.40 | 37.40 | 274.80 | 74.80 | 687.00 | 187.00 | 1,374.00 | 374.00 | 6,870.00 | 1,870.00 | 13,740.00 | 3,740.00 | 3.85\% |
| 2003 | Jul | 69.02 | 19.02 | 103.53 | 28.53 | 138.04 | 38.04 | 276.08 | 76.08 | 690.20 | 190.20 | 1,380.40 | 380.40 | 6,902.00 | 1,902.00 | 13,804.00 | 3,804.00 | 3.87\% |
| 2003 | Jun | 69.36 | 19.36 | 104.04 | 29.04 | 138.72 | 38.72 | 277.44 | 77.44 | 693.60 | 193.60 | 1,387.20 | 387.20 | 6,936.00 | 1,936.00 | 13,872.00 | 3,872.00 | 3.89\% |
| 2003 | May | 69.60 | 19.60 | 104.40 | 29.40 | 139.20 | 39.20 | 278.40 | 78.40 | 696.00 | 196.00 | 1,392.00 | 392.00 | 6,960.00 | 1,960.00 | 13,920.00 | 3,920.00 | 3.89\% |
| 2003 | Apr | 72.10 | 22.10 | 108.15 | 33.15 | 144.20 | 44.20 | 288.40 | 88.40 | 721.00 | 221.00 | 1,442.00 | 442.00 | 7,210.00 | 2,210.00 | 14,420.00 | 4,420.00 | 4.27\% |
| 2003 | Mar | 72.46 | 22.46 | 108.69 | 33.69 | 144.92 | 44.92 | 289.84 | 89.84 | 724.60 | 224.60 | 1,449.20 | 449.20 | 7,246.00 | 2,246.00 | 14,492.00 | 4,492.00 | 4.29\% |
| 2003 | Feb | 72.84 | 22.84 | 109.26 | 34.26 | 145.68 | 45.68 | 291.36 | 91.36 | 728.40 | 228.40 | 1,456.80 | 456.80 | 7,284.00 | 2,284.00 | 14,568.00 | 4,568.00 | 4.31 |
| 2003 | Jan | 73.22 | 23.22 | 109.83 | 34.83 | 146.44 | 46.44 | 292.88 | 92.88 | 732.20 | 232.20 | 1,464.40 | 464.40 | 7,322.00 | 2,322.00 | 14,644.00 | 4,644.00 | 4.32\% |
| 2002 | Dec | 73.58 | 23.58 | 110.37 | 35.37 | 147.16 | 47.16 | 294.32 | 94.32 | 735.80 | 235.80 | 1,471.60 | 471.60 | 7,358.00 | 2,358.00 | 14,716.00 | 4,716.00 | 4.34\% |
| 2002 | Nov | 73.86 | 23.86 | 110.79 | 35.79 | 147.72 | 47.72 | 295.44 | 95.44 | 738.60 | 238.60 | 1,477.20 | 477.20 | 7,386.00 | 2,386.00 | 14,772.00 | 4,772.00 | 4.34\% |
| 2002 | Oct | 75.44 | 25.44 | 113.16 | 38.16 | 150.88 | 50.88 | 301.76 | 101.76 | 754.40 | 254.40 | 1,508.80 | 508.80 | 7,544.00 | 2,544.00 | 15,088.00 | 5,088.00 | 4.54\% |
| 2002 | Sep | 75.86 | 25.86 | 113.79 | 38.79 | 151.72 | 51.72 | 303.44 | 103.44 | 758.60 | 258.60 | 1,517.20 | 517.20 | 7,586.00 | 2,586.00 | 15,172.00 | 5,172.00 | 4.56\% |
| 2002 | Aug | 76.26 | 26.26 | 114.39 | 39.39 | 152.52 | 52.52 | 305.04 | 105.04 | 762.60 | 262.60 | 1,525.20 | 525.20 | 7,626.00 | 2,626.00 | 15,252.00 | 5,252.00 | 4.57\% |
| 2002 | Jul | 76.68 | 26.68 | 115.02 | 40.02 | 153.36 | 53.36 | 306.72 | 106.72 | 766.80 | 266.80 | 1,533.60 | 533.60 | 7,668.00 | 2,668.00 | 15,336.00 | 5,336.00 | 4.59\% |
| 2002 | Jun | 77.10 | 27.10 | 115.65 | 40.65 | 154.20 | 54.20 | 308.40 | 108.40 | 771.00 | 271.00 | 1,542.00 | 542.00 | 7,710.00 | 2,710.00 | 15,420.00 | 5,420.00 | 4.61\% |
| 2002 | May | 77.42 | 27.42 | 116.13 | 41.13 | 154.84 | 54.84 | 309.68 | 109.68 | 774.20 | 274.20 | 1,548.40 | 548.40 | 7,742.00 | 2,742.00 | 15,484.00 | 5,484.00 | 4.61\% |
| 2002 | Apr | 77.10 | 27.10 | 115.65 | 40.65 | 154.20 | 54.20 | 308.40 | 108.40 | 771.00 | 271.00 | 1,542.00 | 542.00 | 7,710.00 | 2,710.00 | 15,420.00 | 5,420.00 | 4.53\% |
| 2002 | Mar | 77.52 | 27.52 | 116.28 | 41.28 | 155.04 | 55.04 | 310.08 | 110.08 | 775.20 | 275.20 | 1,550.40 | 550.40 | 7,752.00 | 2,752.00 | 15,504.00 | 5,504.00 | 4.55\% |
| 2002 | Feb | 77.94 | 27.94 | 116.91 | 41.91 | 155.88 | 55.88 | 311.76 | 111.76 | 779.40 | 279.40 | 1,558.80 | 558.80 | 7,794.00 | 2,794.00 | 15,588.00 | 5,588.00 | 4.57\% |
| 2002 | Jan | 78.36 | 28.36 | 117.54 | 42.54 | 156.72 | 56.72 | 313.44 | 113.44 | 783.60 | 283.60 | 1,567.20 | 567.20 | 7,836.00 | 2,836.00 | 15,672.00 | 5,672.00 | 4.58\% |

## DECEMBER 2011

REDEMPTION VALUES AND INTEREST EARNED

|  |  | $\left\|\begin{array}{l} 0 \\ -7 \\ 0 \\ \dot{\gamma} \end{array}\right\|$ | $\begin{aligned} & 00 \\ & \stackrel{0}{1} \end{aligned}$ | Non | $\left\|\begin{array}{l} 0 \\ \hat{0} \\ 10 \\ 10 \end{array}\right\|$ | $\begin{aligned} & 00 \\ & \stackrel{0}{n} \\ & \stackrel{0}{0} \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & \end{aligned}$ |  | $\begin{gathered} \mathrm{N} \\ \mathbf{c} \\ \dot{N} \end{gathered}$ | $\left\|\begin{array}{c} \circ \\ \stackrel{O}{4} \\ 0 \\ \dot{N} \end{array}\right\|$ | $\left\|\begin{array}{c} 0 \\ 0 \\ \dot{\circ} \end{array}\right\|$ | $\begin{aligned} & \dot{N} \\ & \stackrel{\rightharpoonup}{n} \end{aligned}$ |  | $\left\lvert\, \begin{aligned} & 9 \\ & \underset{\sim}{9} \\ & \hline \end{aligned}\right.$ | ம் | $\left\lvert\, \begin{aligned} & \hline \stackrel{\circ}{0} \\ & \stackrel{\rightharpoonup}{2} \\ & \dot{\circ} \\ & \hline \end{aligned}\right.$ | $\begin{aligned} & 0 \\ & \stackrel{\rightharpoonup}{N} \\ & \dot{~} \end{aligned}$ | $10$ | $\left\lvert\, \begin{gathered} \stackrel{0}{\dot{~}} \\ \underset{\sim}{2} \\ \dot{0} \end{gathered}\right.$ | $\omega^{\circ}$ | $\stackrel{\circ}{6}$ | $\circ$ <br>  |  | $\begin{aligned} & \stackrel{\circ}{0} \\ & \stackrel{1}{0} \\ & \dot{0} \end{aligned}$ | $\mid 0^{\circ}$ |  | $\left\|\begin{array}{l} \circ \\ \stackrel{\circ}{\circ} \\ \stackrel{3}{n} \end{array}\right\|$ | $\left\|\begin{array}{c} 9 \\ \underset{子}{n} \\ i \end{array}\right\|$ |  |  | $\left.\begin{array}{\|c} 00 \\ 0 \\ 0 \\ 10 \\ 10 \end{array} \right\rvert\,$ | $\begin{array}{\|c} 00 \\ 0 \\ 0 \end{array}$ | $\left\|\begin{array}{l} \varnothing \\ \infty \\ \infty \end{array}\right\|$ | $\begin{aligned} & 0 \\ & 0 \\ & \infty \\ & 1 \\ & \hline \end{aligned}$ | of | －1 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $0$ | $\left.\begin{gathered} 0 \\ 0 \\ 0 \\ \underset{N}{\infty} \\ n^{-} \end{gathered} \right\rvert\,$ | $10$ | $\begin{array}{\|l\|} \hline 8 \\ 0 \\ 0 \end{array}$ |  | $8$ | $\left\lvert\, \begin{gathered} 9 \\ 0 \\ 0 \\ 0 \\ 0 \end{gathered}\right.$ | $\begin{gathered} \hline 0 \\ 0 \\ \dot{-} \\ \underset{-}{2} \\ \sim \end{gathered}$ | $\left\|\begin{array}{c} 8 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array}\right\|$ | $\begin{array}{\|l\|} \hline 0 \\ \dot{j} \\ 0 \\ \uparrow \\ \infty^{-} \end{array}$ | $\left\lvert\, \begin{gathered} 0 \\ 0 \\ \infty \\ \infty \\ \infty \\ \infty^{-} \end{gathered}\right.$ | $\begin{aligned} & \hline \mathrm{O} \\ & \text { j} \\ & \text {-i } \\ & \sigma^{2} \end{aligned}$ | $\left\|\begin{array}{l} 0 \\ 0 \\ 0 \\ -1 \\ -1 \\ \sigma^{2} \end{array}\right\|$ | $\begin{array}{\|c\|} \hline 0 \\ \underset{j}{j} \\ \underset{N}{2} \\ \sigma^{2} \end{array}$ | $\begin{array}{\|c} \underset{\sim}{n} \\ \underset{N}{2} \\ \sigma_{1} \end{array}$ | $\left.\begin{array}{\|c\|} \hline 0 \\ 0 \\ \infty \\ 0 \\ 0 \\ 0^{-} \end{array} \right\rvert\,$ | $\left\|\begin{array}{l\|} \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array}\right\|$ | $\left\lvert\, \begin{gathered} 0 \\ 0 \\ \\ -1 \\ \underset{-}{-} \end{gathered}\right.$ | $\begin{gathered} \hline \mathrm{O} \\ \mathrm{~N} \\ \mathrm{~N} \\ \mathbf{~} \\ \mathrm{O} \\ \hline \end{gathered}$ | $\left\|\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ -1 \end{array}\right\|$ | $\begin{array}{\|c\|} \hline 8 \\ \dot{e} \\ \dot{8} \\ \sigma^{\prime} \end{array}$ | $\begin{gathered} 0 \\ 0 \\ \infty \\ \underset{\sim}{1} \\ 0 \\ -1 \end{gathered}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & -1 \end{aligned}$ | $\begin{array}{\|c\|} \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ -1 \end{array}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & N \\ & 0 \\ & 0 \\ & \end{aligned}$ | $\left\|\begin{array}{l} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ -1 \end{array}\right\|$ |  | $\left\|\begin{array}{c} 0 \\ 0 \\ -7 \\ - \\ 0 \\ -1 \end{array}\right\|$ | $\begin{gathered} 8 \\ 0 \\ 0 \\ 0 \\ 10 \\ 0 \\ -1 \end{gathered}$ | $\begin{array}{\|c\|} \hline \mathrm{O} \\ \hline \\ \dot{1} \\ 0 \\ 0 \\ - \\ -1 \end{array}$ | $\left\|\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array}\right\|$ | $\left\|\begin{array}{l} 0 \\ 0 \\ 0 \\ \underset{N}{0} \\ 0 \\ - \end{array}\right\|$ |  |  |  |  |
|  | © | $\begin{aligned} & \hline 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & n_{1} \end{aligned}$ | 이 | $\begin{aligned} & \hline 8 \\ & 0 \\ & \dot{6} \\ & \underset{\sim}{2} \\ & \underset{-}{2} \end{aligned}$ |  | $\begin{aligned} & \hline \mathrm{O} \\ & \dot{0} \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & - \\ & - \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & 0 \\ & 0 \\ & - \\ & { }_{2}^{2} \\ & -1 \end{aligned}$ | $\left\|\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ -1 \\ -1 \end{array}\right\|$ | $\begin{aligned} & \hline \mathrm{O} \\ & 0 \\ & \dot{j} \\ & \stackrel{1}{n} \\ & 0 \\ & 0^{-} \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & \infty \\ & \infty \\ & \infty \\ & \infty \\ & \infty_{-}^{-} \\ & { }^{2} \end{aligned}$ |  | $\begin{aligned} & \hline 0 \\ & 0 \\ & 0 \\ & \underset{-}{2} \\ & - \\ & -1 \\ & -1 \end{aligned}$ | $\begin{array}{l\|} \hline 0 \\ 0 \\ \dot{j} \\ \underset{N}{2} \\ a^{2} \end{array}$ |  | $\left.\begin{aligned} & \hline 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0_{n}^{-} \\ & -1 \end{aligned} \right\rvert\,$ | $\begin{aligned} & \hline \mathrm{O} \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \text { N } \end{aligned}$ |  | $\begin{array}{\|c\|} \hline \mathrm{O} \\ \underset{N}{\mathrm{~N}} \\ \mathrm{~N} \\ \mathrm{~N} \\ \hline \end{array}$ | $\begin{array}{\|l\|} \hline \mathrm{O} \\ 0 \\ \dot{j} \\ 0 \\ 0 \\ 0 \\ N \end{array}$ |  | $\begin{array}{\|c\|} \hline \mathrm{O} \\ 0 \\ \underset{\sim}{n} \\ \underset{\sim}{-} \\ \underset{N}{2} \end{array}$ | O O O N O N | $\begin{array}{\|l\|} \hline \mathrm{O} \\ 0 \\ \dot{0} \\ \mathrm{M} \\ 0 \\ \text { N} \end{array}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & N \\ & 0 \\ & 0 \\ & N \end{aligned}$ | $\left\|\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \underset{N}{2} \end{array}\right\|$ | O <br>  <br> $\mathbf{W}$ <br> N <br> N <br> N | $\begin{array}{l\|} \hline 0 \\ 0 \\ 0 \\ -1 \\ -\underset{\sim}{-} \\ 0 \end{array}$ | $\begin{array}{\|c\|} \hline 0 \\ 0 \\ 0 \\ 0 \\ 10 \\ 0 \\ 0 \end{array}$ |  | $\left\|\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ N \end{array}\right\|$ | $\begin{array}{l\|} \hline 0 \\ 0 \\ 0 \\ 0 \\ \underset{N}{0} \\ 0 \\ \hline \end{array}$ |  |  |  |  |
|  | $\left.\begin{aligned} & 0 \\ & \infty \\ & \infty \\ & \sim \\ & \sim \end{aligned} \right\rvert\,$ |  | $\left\|\begin{array}{l} \mathrm{O} \\ 0 \\ \mathrm{j} \\ 0 \\ \mathrm{c} \\ \mathrm{n} \end{array}\right\|$ | $\left\|\begin{array}{c} 0 \\ \infty \\ \underset{\sim}{N} \\ m^{\prime} \end{array}\right\|$ | $\left\|\begin{array}{c} 0 \\ \dot{N} \\ 0 \\ 0 \\ m_{2} \end{array}\right\|$ | m\| | $\left\lvert\, \begin{aligned} & \mathrm{O} \\ & \underset{子}{1} \\ & \underset{-}{2} \\ & \text { n } \end{aligned}\right.$ | $\left\|\begin{array}{l} 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array}\right\|$ | $\begin{array}{\|l\|} \hline \mathrm{O} \\ 0 \\ 0 \\ \underset{\sim}{2} \\ \underset{\sim}{2} \end{array}$ | $\begin{aligned} & \hline \mathrm{O} \\ & \underset{\sim}{\mathrm{j}} \\ & 0 \\ & \mathrm{O}_{2} \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \dot{f} \\ & 7 \\ & -8 \end{aligned}$ | $\begin{array}{\|l\|} \hline 8 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ \gamma \end{array}$ | $\left\|\begin{array}{c} 0 \\ 0 \\ 0 \\ 10 \\ \nabla \\ \nabla \end{array}\right\|$ | $\left.\begin{gathered} \mathrm{O} \\ \underset{\sim}{\mathrm{~N}} \\ \mathrm{~N} \\ \dot{\sim} \end{gathered} \right\rvert\,$ | $\begin{array}{\|l\|} \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \sigma^{-} \end{array}$ | $\left\lvert\, \begin{gathered} \circ \\ \dot{子} \\ \underset{\sim}{2} \\ \underset{\sim}{*} \end{gathered}\right.$ | $\left\|\begin{array}{c} \hline 8 \\ 0 \\ 0 \\ 0 \\ 0 \\ n \end{array}\right\|$ | $\left.\begin{array}{\|c\|} \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ n \end{array} \right\rvert\,$ | $\left.\begin{array}{\|l\|} \hline 8 \\ 0 \\ 0 \\ \underset{\sim}{n} \\ -1 \\ n \end{array} \right\rvert\,$ | $\left\|\begin{array}{c} \hat{j} \\ \underset{\sim}{c} \\ \dot{n} \end{array}\right\|$ | $\begin{gathered} \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \sigma^{2} \end{gathered}$ | $\left\|\begin{array}{c} 9 \\ 0 \\ \dot{0} \\ 0 \\ 0 \\ 5 \end{array}\right\|$ | $\left\|\begin{array}{c} \dot{0} \\ \underset{7}{7} \\ \dot{n} \end{array}\right\|$ | $\left\lvert\, \begin{gathered} 0 \\ 0 \\ 0 \\ -1 \\ -1 \\ 5 \end{gathered}\right.$ | $\left\|\begin{array}{c} 0 \\ \dot{y} \\ 0 \\ N \\ \hat{N}^{2} \end{array}\right\|$ | $\left\|\begin{array}{c} c \\ ल \\ n_{0} \end{array}\right\|$ |  | $\left\|\begin{array}{c} 0 \\ 0 \\ 0 \\ \underset{N}{n} \\ 0 \end{array}\right\|$ | $\left\|\begin{array}{c} \mathrm{O} \\ \dot{\sim} \\ \mathrm{~N} \\ \mathrm{n}^{\prime} \end{array}\right\|$ | $\begin{array}{\|c\|} \hline \mathrm{O} \\ \underset{j}{n} \\ \underset{\sim}{2} \\ \mathrm{n}^{2} \\ \hline \end{array}$ | $\left\|\begin{array}{c} 0 \\ 0 \\ \underset{7}{7} \\ i_{0} \end{array}\right\|$ | $\begin{array}{c\|} \hline 8 \\ 0 \\ \dot{0} \\ 0 \\ 0 \\ n^{2} \end{array}$ | $\left\|\begin{array}{c} 0 \\ 0 \\ \text { i } \\ O \\ 5_{0}^{-} \end{array}\right\|$ | $\begin{aligned} & 0 \\ & 0 \\ & 7 \\ & \hline \end{aligned}$ | 8 0 0 1 1 1 上゙ | － |
|  |  | $\begin{aligned} & \mathrm{O} \\ & \stackrel{-}{-1} \\ & \underset{-}{2} \\ & \underset{\sim}{2} \end{aligned}$ | $\left\|\begin{array}{c} \text { N } \\ 0 \\ 0 \\ 0^{\circ} \end{array}\right\|$ | $\left\|\begin{array}{c} 0 \\ \infty^{0} \\ \underset{\sim}{c} \\ \infty^{-} \end{array}\right\|$ | $\left\|\begin{array}{c} \mathrm{O} \\ \mathrm{i} \\ \mathrm{O} \\ \infty \\ \infty \\ \infty \end{array}\right\|$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0^{-} \end{aligned}$ | $\left\lvert\, \begin{gathered} 0 \\ 0 \\ -1 \\ -1 \\ \infty \\ \infty \end{gathered}\right.$ | $\left\|\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \infty^{2} \end{array}\right\|$ | $\left.\begin{array}{\|l\|} \hline \mathrm{O} \\ 0 \\ 0 \\ \mathrm{~N} \\ \mathrm{o} \end{array} \right\rvert\,$ | $\left\|\begin{array}{c} \mathrm{O} \\ 0 \\ \text { o } \\ 0 \\ \mathrm{o}^{\prime} \end{array}\right\|$ | $\left\lvert\, \begin{aligned} & 8 \\ & \dot{j} \\ & \underset{\sim}{2} \\ & \end{aligned}\right.$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 10 \\ & 0 \\ & 0 \end{aligned}$ | $\left.\begin{aligned} & \hline 0 \\ & 0 \\ & 0 \\ & 1 \\ & 0 \\ & \sigma^{2} \end{aligned} \right\rvert\,$ | $\left\|\begin{array}{c} \mathrm{O} \\ \mathrm{~N} \\ \mathrm{~N} \\ \mathrm{o}^{\prime} \end{array}\right\|$ | $\left\|\begin{array}{l} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array}\right\|$ |  | $\left\|\begin{array}{l} 0 \\ 0 \\ 0 \\ 0 \\ -1 \end{array}\right\|$ | $\left\|\begin{array}{l} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ -1 \end{array}\right\|$ | $\left\|\begin{array}{c} 8 \\ 0 \\ 0 \\ - \\ - \\ 0 \\ -1 \end{array}\right\|$ | $\left\lvert\, \begin{aligned} & 0 \\ & \underset{~ i}{3} \\ & \underset{-}{-} \\ & \underset{-}{2} \end{aligned}\right.$ | $\left\|\begin{array}{c} 8 \\ 0 \\ \infty \\ 0 \\ \sigma_{i}^{\prime} \end{array}\right\|$ | $\left\|\begin{array}{l} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ -1 \end{array}\right\|$ | $\begin{aligned} & 0 \\ & \underset{-1}{n} \\ & \underset{-1}{2} \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & \underset{1}{1} \\ & \underset{-1}{-1} \end{aligned}$ | $\left\|\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ \underset{\sim}{2} \\ 0 \\ -1 \end{array}\right\|$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & \underset{\sim}{m} \\ & 0 \\ & \underset{\sim}{1} \end{aligned}$ | $\left\lvert\, \begin{gathered} 0 \\ \underset{\sim}{\dot{v}} \\ \underset{1}{-} \\ 0 \\ \underset{-1}{2} \end{gathered}\right.$ | $\left\|\begin{array}{l} 0 \\ 0 \\ 0 \\ \underset{N}{N} \\ 0 \\ 0 \end{array}\right\|$ | $\left\lvert\, \begin{gathered} \mathrm{O} \\ \underset{\sim}{\mathrm{~N}} \\ \underset{N}{\mathrm{~N}} \\ \underset{-}{2} \end{gathered}\right.$ | $\left\lvert\, \begin{gathered} \mathrm{O} \\ \underset{\sim}{j} \\ \underset{~}{2} \\ \underset{-}{-} \\ -1 \end{gathered}\right.$ | $\left\|\begin{array}{c} 0 \\ 0 \\ -7 \\ \underset{-}{0} \\ 0 \end{array}\right\|$ | $\left\|\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ \vdots \\ 0 \\ -1 \end{array}\right\|$ |  | $\left\|\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ -1 \end{array}\right\|$ | 8 0 0 0 0 0 -1 | － |
|  | $\begin{gathered} 9 \\ \stackrel{0}{2} \end{gathered}$ | $\left\|\begin{array}{c} 0 \\ 0 \\ \underset{\sim}{0} \\ 0 \end{array}\right\|$ | $\begin{aligned} & 0 \\ & \underset{\sim}{\infty} \\ & \underset{\sim}{n} \end{aligned}$ |  | $\left\lvert\, \begin{aligned} & \circ \\ & \hline \end{aligned}\right.$ | $\left\lvert\, \begin{aligned} & \mathrm{o} \\ & \text { i } \\ & \underset{\lambda}{ } \end{aligned}\right.$ | $\left\|\begin{array}{l} \infty \\ \infty \\ \infty \\ \underset{\sim}{n} \end{array}\right\|$ | $\left\lvert\, \begin{aligned} & \hline- \\ & -i \\ & \underset{N}{2} \end{aligned}\right.$ | O $\stackrel{+}{+}$ $\infty$ $\infty$ | $\left\|\begin{array}{c} 9 \\ \underset{\sim}{0} \\ \infty \\ \infty \end{array}\right\|$ | $\left\|\begin{array}{l\|} \infty \\ \infty \\ \infty \\ \infty \\ \infty \end{array}\right\|$ | $\begin{aligned} & \text { N} \\ & \text { N} \\ & \text {-i } \end{aligned}$ |  | $\left\lvert\, \begin{gathered} \underset{\sim}{\underset{~}{~}} \\ \text { N } \end{gathered}\right.$ | $\left\|\begin{array}{c} \underset{N}{N} \\ \underset{N}{2} \end{array}\right\|$ | $\left.\begin{array}{\|l\|} \hline \infty \\ \infty \\ 0 \\ \infty \\ \infty \end{array} \right\rvert\,$ | $10$ | $\begin{gathered} 0 \\ 0 \\ n \\ -1 \\ 0 \\ -i \end{gathered}$ | $\begin{gathered} \mathrm{O} \\ \underset{N}{N} \\ \mathrm{~N} \\ \underset{\sim}{\mathrm{H}} \end{gathered}$ | $\left.\begin{gathered} t \\ 0 \\ 0 \\ 0 \\ \underset{\sim}{i} \end{gathered} \right\rvert\,$ | ob | $\begin{gathered} o \\ \infty \\ \underset{\sim}{j} \\ 0 \\ \underset{\sim}{2} \end{gathered}$ | $\left\lvert\, \begin{gathered} 0 \\ 0 \\ \hat{N} \\ 0 \\ \underset{\sim}{2} \end{gathered}\right.$ | $\begin{array}{\|l\|} \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ -1 \end{array}$ | $\left\lvert\, \begin{aligned} & \infty \\ & \underset{\sim}{N} \\ & 0 \\ & \text { rin } \end{aligned}\right.$ | $\left\|\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ \underset{-i}{ } \end{array}\right\|$ | $\left\lvert\, \begin{gathered} 9 \\ 0 \\ 0 \\ \underset{\sim}{0} \\ \underset{i}{2} \end{gathered}\right.$ |  | $\left\|\begin{array}{c} 0 \\ 00 \\ 10 \\ 0 \\ 1 \\ i \end{array}\right\|$ | $\left\|\begin{array}{c} -9 \\ \underset{0}{0} \\ 0 \\ 0 \\ -i \end{array}\right\|$ | $\left\|\begin{array}{c} 0 \\ \infty \\ 0 \\ 0 \\ \sim \end{array}\right\|$ |  | $\begin{aligned} & 9 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & -i \end{aligned}$ | $\left\|\begin{array}{c} 0 \\ \dot{j} \\ \dot{0} \\ -i \end{array}\right\|$ | $\begin{array}{\|c} 0 \\ 0 \\ 0 \\ 0 \\ -1 \\ -1 \end{array}$ | － |
|  |  | $\left\|\begin{array}{c} \infty \\ 0 \\ \infty \\ 0 \end{array}\right\|$ | $\infty_{\infty}$ | $\left\|\begin{array}{c} 0 \\ \dot{9} \end{array}\right\|$ |  | $\begin{array}{\|l\|} \hline \mathrm{O} \\ -i \\ \underset{i}{2} \\ i \\ i \end{array}$ | $\left\lvert\, \begin{aligned} & \infty \\ & \underset{\sim}{n} \\ & \infty \\ & \hline \end{aligned}\right.$ | $\begin{aligned} & \circ \\ & 0 \\ & -i \\ & \stackrel{\rightharpoonup}{N} \end{aligned}$ | $\left\|\begin{array}{\|c} 0 \\ \dot{1} \\ \infty \\ \infty \end{array}\right\|$ | $\left\lvert\, \begin{gathered} 9 \\ \substack{0 \\ 0 \\ \infty \\ \hline} \end{gathered}\right.$ | $\begin{aligned} & \infty \\ & \infty \\ & \infty \\ & \infty \end{aligned}$ | $\begin{aligned} & \text { N} \\ & \text { N} \\ & \text { - } \end{aligned}$ |  | $\begin{array}{\|c} \stackrel{+}{寸} \\ \dot{\sim} \\ \underset{\sim}{2} \end{array}$ | $\begin{array}{\|c} \underset{\sim}{n} \\ \underset{\sim}{n} \end{array}$ | $\left\lvert\, \begin{gathered} \infty \\ \infty \\ 0 \\ \infty \\ 0 \\ -i \end{gathered}\right.$ | $\left\|\begin{array}{l} 0 \\ 0 \\ 0 \\ 0 \\ N \end{array}\right\|$ | $\begin{aligned} & 0 \\ & \underset{\sim}{n} \\ & 0 \\ & N \end{aligned}$ |  | $\begin{aligned} & r \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & i \end{aligned}$ | $\begin{aligned} & \hline- \\ & 6 \\ & 0 \\ & 8 \\ & \hline \\ & -i \end{aligned}$ | $\left\|\begin{array}{c} \infty \\ \underset{\sim}{j} \\ - \\ \underset{N}{n} \end{array}\right\|$ | $\begin{gathered} 0 \\ 0 \\ 0 \\ 0 \\ N \end{gathered}$ | $\left\lvert\, \begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \text { Ni } \end{aligned}\right.$ | $\left\|\begin{array}{l} \infty \\ \underset{N}{N} \\ 0 \\ \underset{N}{2} \end{array}\right\|$ | $\begin{gathered} \overline{0} \\ \dot{e} \\ 0 \\ \underset{N}{n} \end{gathered}$ |  | $\left\|\begin{array}{l} 0 \\ 0 \\ i \\ \dot{~} \\ i \end{array}\right\|$ | $\left\|\begin{array}{c} 0 \\ 0 \\ \dot{y} \\ 0 \\ 0 \\ i \end{array}\right\|$ | $\left\|\begin{array}{c} 9 \\ 0 \\ 0 \\ 0 \\ 0 \\ i \end{array}\right\|$ | $\left\lvert\, \begin{gathered} 0 \\ \text { i } \\ 0 \\ 0 \\ \text { in } \end{gathered}\right.$ |  | $\left\|\begin{array}{l} 0 \\ \underset{寸}{0} \\ 0 \\ 0 \\ \text { in } \end{array}\right\|$ | $\begin{aligned} & \dot{0} \\ & \dot{J} \\ & \hline \\ & \dot{N} \end{aligned}$ | $\left\|\begin{array}{l} 0 \\ 0 \\ 0 \\ 0 \\ -1 \\ i \end{array}\right\|$ | ． |
|  | $\left\|\begin{array}{l} \infty \\ \infty \\ \underset{\sim}{0} \end{array}\right\|$ | $\left\|\begin{array}{l} \underset{寸}{寸} \\ \underset{\sim}{N} \end{array}\right\|$ | $\left\|\begin{array}{l} \dot{0} \\ \mathbf{0} \end{array}\right\|$ | $\begin{aligned} & \infty \\ & \underset{\sim}{\infty} \\ & \end{aligned}$ | $\begin{array}{\|c\|} \hline \stackrel{\rightharpoonup}{N} \\ \dot{o} \\ 0 \\ 0 \end{array}$ | $\left\|\begin{array}{l} 1 \\ \dot{0} \\ \infty \\ \hline \end{array}\right\|$ | $\begin{aligned} & \underset{\sim}{O} \\ & \underset{\sim}{2} \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|} \hline \infty \\ \infty \\ 10 \\ \hline 1 \\ \hline \end{array}$ | $\begin{array}{\|c\|} \hline 8 \\ \underset{\sim}{\mathrm{j}} \\ \underset{子}{ } \end{array}$ | $\begin{array}{\|l\|} \hline \underset{N}{N} \\ 0 \\ \underset{\sim}{2} \end{array}$ | $\left\|\begin{array}{l} 9 \\ \dot{f} \\ 寸 \end{array}\right\|$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & \stackrel{0}{2} \end{aligned}$ | $\begin{gathered} 8 \\ \hline \stackrel{y}{n} \\ \stackrel{3}{2} \end{gathered}$ | $\left\|\begin{array}{c} \mathrm{O} \\ \underset{\sim}{\mathrm{j}} \end{array}\right\|$ | $\left\|\begin{array}{l} 0 \\ 0 \\ \dot{0} \\ \infty \end{array}\right\|$ |  | $\left\|\begin{array}{l} 0 \\ 0 \\ 0 \\ 1 \end{array}\right\|$ | $\left.\begin{array}{\|l} \infty \\ 0 \\ 0 \\ 0 \end{array} \right\rvert\,$ | $\begin{aligned} & \hline 8 \\ & 0 \\ & n \\ & \cdots \\ & n \end{aligned}$ | $\left.\begin{array}{\|c} N \\ 0 \\ -1 \\ n \end{array} \right\rvert\,$ | $\begin{array}{\|l\|} \hline \infty \\ \infty \\ \dot{~} \\ \underset{寸}{ } \end{array}$ | $\left.\begin{array}{\|l\|} \hline 0 \\ 寸 \\ \dot{0} \\ 0 \end{array} \right\rvert\,$ | $\left\|\begin{array}{c} 0 \\ n \\ \underset{n}{n} \end{array}\right\|$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & \underset{n}{n} \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \dot{+} \\ & \stackrel{N}{N} \end{aligned}$ | $\left\|\begin{array}{c} \infty \\ \dot{n} \\ \stackrel{\rightharpoonup}{n} \end{array}\right\|$ | $\left\lvert\, \begin{aligned} & \stackrel{\rightharpoonup}{N} \\ & \underset{\sim}{~} \\ & \underset{N}{n} \end{aligned}\right.$ | $\left\|\begin{array}{c} \infty \\ 0 \\ \underset{N}{n} \end{array}\right\|$ | $\left.\begin{array}{\|c} \hline 0 \\ \underset{\sim}{n} \\ \hat{N} \end{array} \right\rvert\,$ | $\begin{array}{\|c\|} \hline \stackrel{O}{N} \\ \stackrel{1}{\sim} \\ \underset{\sim}{n} \end{array}$ | $\left\|\begin{array}{c} \mathrm{O} \\ \underset{-}{4} \\ \stackrel{\rightharpoonup}{2} \end{array}\right\|$ | $\begin{array}{\|c} \hline 9 \\ \stackrel{+}{0} \\ \dot{6} \end{array}$ | $\begin{array}{\|c} 0 \\ N \\ 0 \\ \stackrel{0}{1} \end{array}$ |  | $\begin{array}{\|c} \hline 8 \\ \dot{9} \\ 10 \end{array}$ | － |
|  | $\left.\begin{aligned} & 0 \\ & \infty \\ & \infty \\ & \sim \end{aligned} \right\rvert\,$ |  | $\left\|\begin{array}{l} 0 \\ 0 \\ \infty \end{array}\right\|$ | $\left\|\begin{array}{c} \infty \\ \underset{\sim}{\infty} \\ \infty \end{array}\right\|$ | $\left\|\begin{array}{l} 0 \\ \underset{N}{2} \\ 0 \\ \infty \\ \infty \end{array}\right\|$ | $\begin{aligned} & \infty \\ & \infty \\ & \infty \\ & \infty \end{aligned}$ | $\left\lvert\, \begin{gathered} \text { 웅 } \\ - \\ -i \\ \infty \end{gathered}\right.$ | $\left\|\begin{array}{l} \infty \\ \dot{N} \\ \infty \\ \infty \end{array}\right\|$ | $\begin{aligned} & 0 \\ & \underset{\sim}{2} \\ & \underset{y}{2} \end{aligned}$ | O N M M | $\left\|\begin{array}{l} \dot{f} \\ \dot{f} \\ 寸 \end{array}\right\|$ | $\begin{aligned} & 0 \\ & 0 \\ & 00 \\ & 00 \end{aligned}$ | 8 <br> $\stackrel{3}{\circ}$ | $\left\|\begin{array}{c} N \\ \underset{\sim}{o} \end{array}\right\|$ | $\left\|\begin{array}{l} 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array}\right\|$ |  | $\left\|\begin{array}{l} 0 \\ 0 \\ 0 \\ 0 \\ -i \end{array}\right\|$ | $\left\|\begin{array}{l} \infty \\ 0 \\ 0 \\ 0 \\ i \end{array}\right\|$ |  | $\left\|\begin{array}{c} N \\ \underset{\sim}{2} \\ 0 \\ \underset{-}{2} \end{array}\right\|$ | $\left.\begin{aligned} & \hline 0 \\ & \infty \\ & \dot{8} \\ & \hline \end{aligned} \right\rvert\,$ | $\left\|\begin{array}{c} \tilde{j} \\ \dot{0} \\ 0 \\ \underset{\sim}{i} \end{array}\right\|$ | $\left\|\begin{array}{l} 0 \\ n \\ -1 \\ 0 \end{array}\right\|$ | $\left.\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & -1 \\ & -1 \\ & -1 \end{aligned} \right\rvert\,$ | $\begin{aligned} & \underset{\sim}{\mathbf{O}} \\ & \dot{N} \\ & \mathbf{O} \end{aligned}$ | $\left\|\begin{array}{l} \infty \\ - \\ \underset{\sim}{2} \\ 0 \\ -i \end{array}\right\|$ | $\left\|\begin{array}{c} \underset{\sim}{n} \\ \underset{\sim}{-1} \\ 0 \\ -i \end{array}\right\|$ | $\left\|\begin{array}{l} 0 \\ 0 \\ 0 \\ \underset{\sim}{0} \\ -i \end{array}\right\|$ | $\begin{gathered} 0 \\ \underset{y}{2} \\ \hat{y} \\ 0 \end{gathered}$ | $\begin{array}{\|c\|} \hline \stackrel{\rightharpoonup}{N} \\ \underset{\sim}{3} \\ \underset{\sim}{-i} \\ \hline \end{array}$ | $\left\lvert\, \begin{gathered} \dot{+} \\ \dot{寸} \end{gathered}\right.$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \underset{i}{2} \end{aligned}$ | $\begin{aligned} & 0 \\ & \underset{N}{1} \\ & 0 \\ & \text { O} \\ & \underset{\sim}{2} \end{aligned}$ | $\begin{gathered} 0 \\ \vdots \\ \vdots \\ - \\ \hline \end{gathered}$ | $\left.\begin{aligned} & 0 \\ & 0 \\ & \dot{j} \\ & 0 \\ & 0 \\ & i \end{aligned} \right\rvert\,$ | － |
|  |  | $\left\lvert\, \begin{aligned} & 0 \\ & 0 \\ & 0 \\ & -1 \\ & -1 \end{aligned}\right.$ | $\left\|\begin{array}{c} 0 \\ \underset{\sim}{\dot{A}} \end{array}\right\|$ | $\left\lvert\, \begin{aligned} & \underset{N}{0} \\ & \underset{\sim}{j} \\ & \underset{\sim}{2} \end{aligned}\right.$ | $\left\|\begin{array}{c} \infty \\ 0 \\ \mathrm{~N} \\ \mathrm{~N} \end{array}\right\|$ | $\stackrel{3}{0}$ | $\begin{gathered} 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{gathered}$ | $\left\|\begin{array}{c} 0 \\ \infty \\ 0 \\ 0 \\ \end{array}\right\|$ | $\begin{aligned} & \infty \\ & \mathbf{o} \\ & \mathrm{N} \end{aligned}$ | $\left.\begin{gathered} \infty \\ \underset{N}{N} \\ \stackrel{N}{-1} \end{gathered} \right\rvert\,$ | $\begin{aligned} & \mathrm{N} \\ & \mathrm{~N} \\ & \mathrm{~N} \end{aligned}$ | $\begin{aligned} & N \\ & 0 \\ & 0 \\ & -1 \end{aligned}$ |  | $\left\|\begin{array}{l} \infty \\ 0 \\ \underset{\sim}{\infty} \\ \end{array}\right\|$ | $\left\|\begin{array}{l} 0 \\ \dot{+} \\ 0 \\ \hline \end{array}\right\|$ | $\begin{array}{\|c\|c\|} \hline 0 \\ \underset{\sim}{2} \\ \underset{\sim}{2} \end{array}$ | $\left.\begin{array}{\|c} 0 \\ 0 \\ \hline 0 \\ N \end{array} \right\rvert\,$ | $\left\|\begin{array}{l} \hat{N} \\ \underset{N}{\mathrm{~N}} \end{array}\right\|$ |  | $\begin{aligned} & \underset{0}{\mathrm{O}} \\ & \underset{\sim}{\mathrm{~N}} \end{aligned}$ |  | $\left.\begin{array}{\|c\|} \hline 0 \\ \hat{0} \\ \underset{\sim}{\mathrm{~N}} \\ \mathrm{~N} \end{array} \right\rvert\,$ | $\left\|\begin{array}{c} \stackrel{N}{n} \\ \stackrel{N}{\mathrm{~N}} \end{array}\right\|$ | $\begin{aligned} & \mathrm{N} \\ & \underset{\sim}{n} \\ & \underset{N}{N} \end{aligned}$ |  | $\left\|\begin{array}{c} \underset{N}{N} \\ \underset{N}{N} \end{array}\right\|$ | $\begin{array}{\|c\|} \hline \infty \\ 0 \\ \omega_{0} \\ \underset{N}{2} \end{array}$ | $\begin{aligned} & \underset{N}{N} \\ & 0 \\ & 0 \\ & N \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & \underset{N}{N} \end{aligned}$ | $\begin{aligned} & \hline \infty \\ & 0 \\ & \underset{\sim}{n} \end{aligned}$ | $\left\|\begin{array}{l} r \\ 0 \\ \underset{N}{2} \end{array}\right\|$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & N \end{aligned}$ |  |  |  |  |
|  | $\begin{aligned} & \stackrel{N}{n} \\ & \stackrel{n}{n} \end{aligned}$ | $\left\|\begin{array}{l} 0 \\ \stackrel{n}{0} \\ \dot{0} \\ ल \end{array}\right\|$ | $\left\|\begin{array}{c} \dot{\sim} \\ \stackrel{y}{\mathrm{~N}} \end{array}\right\|$ | $\left\lvert\, \begin{aligned} & \mathbf{o} \\ & \dot{3} \\ & \underset{m}{2} \end{aligned}\right.$ | $\left\|\begin{array}{c} 0 \\ \underset{N}{n} \\ \mathrm{M} \end{array}\right\|$ | $\stackrel{m}{\stackrel{m}{4}}$ | 0 1 0 0 0 | $\begin{gathered} c \\ \infty \\ 0 \\ \end{gathered}$ | $\left\lvert\, \begin{aligned} & \infty \\ & \underset{N}{n} \\ & \end{aligned}\right.$ | $\left\|\begin{array}{c} \stackrel{N}{n} \\ \stackrel{n}{m} \\ ल \end{array}\right\|$ | $\begin{aligned} & \mathbf{N} \\ & \mathbf{N} \\ & \end{aligned}$ | $\begin{aligned} & N \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{gathered} o \\ \infty \\ \dot{\sim} \\ \mathrm{~m} \\ \mathrm{~m} \end{gathered}$ | $\left\|\begin{array}{l} \infty \\ \underset{y}{\infty} \\ M \end{array}\right\|$ | $\begin{array}{\|l\|} \dot{G} \\ \dot{G} \\ \text { n } \end{array}$ | $\begin{array}{\|l\|} \hline \stackrel{0}{ल} \\ \stackrel{y}{n} \\ ल \end{array}$ | $\begin{aligned} & 0 \\ & 0 \\ & \hline 0 \\ & \hline 寸 \end{aligned}$ | $\left\|\begin{array}{c} \underset{\sim}{i} \\ \dot{\gamma} \end{array}\right\|$ |  | $\begin{aligned} & 0 \\ & \hat{0} \\ & \dot{O} \end{aligned}$ | N | $\left.\begin{array}{\|c\|} \hline 0 \\ \hat{0} \\ \mathrm{O} \\ \mathrm{O} \end{array} \right\rvert\,$ | $\left.\begin{array}{\|c} \stackrel{N}{n} \\ \stackrel{O}{\mathrm{o}} \end{array} \right\rvert\,$ | $\begin{aligned} & \dot{r} \\ & \stackrel{r}{2} \\ & \dot{\gamma} \end{aligned}$ | $\left\lvert\, \begin{aligned} & \stackrel{n}{0} \\ & \underset{\gamma}{-1} \end{aligned}\right.$ | $\left\|\begin{array}{c} N \\ \underset{\sim}{\mathrm{j}} \\ \underset{寸}{ } \end{array}\right\|$ | $\left\|\begin{array}{l} 0 \\ 0 \\ 0 \\ 0 \\ o \\ q \end{array}\right\|$ | $\left\lvert\, \begin{aligned} & N \\ & \underset{\sim}{0} \\ & 0 \\ & O \end{aligned}\right.$ | $\begin{array}{\|c\|} \hline 0 \\ 0 \\ 0 \\ 7 \\ 子 \end{array}$ | $\begin{array}{\|c\|} \hline 0 \\ 0 \\ \underset{子}{7} \\ \hline \end{array}$ | $\left\|\begin{array}{c} 7 \\ 0 \\ -1 \\ 7 \end{array}\right\|$ | $\left\|\begin{array}{l} 0 \\ 1 \\ 0 \\ \underset{\gamma}{7} \end{array}\right\|$ |  |  |  |  |
| $\|\underset{\underset{\sim}{\underset{\sim}{x}}}{\underline{\sim}}\|$ | $\begin{aligned} & 8 \\ & \hline \\ & \hline \end{aligned}$ | $\left\|\begin{array}{c} \infty \\ N \\ \infty \\ 0 \end{array}\right\|$ | $\mathfrak{N}$ | $\stackrel{O}{\underset{\sim}{N}}$ |  | N | $\begin{gathered} \infty \\ \underset{\sim}{\infty} \\ \underset{\sim}{n} \end{gathered}$ | $\left\lvert\, \begin{aligned} & -1 \\ & \stackrel{\rightharpoonup}{\circ} \\ & \stackrel{1}{2} \end{aligned}\right.$ | $\left\|\begin{array}{c} \underset{\sim}{x} \\ \dot{\infty} \end{array}\right\|$ | $\left\|\begin{array}{l} 0 \\ 0 \\ 1 \\ \infty \end{array}\right\|$ | $\begin{gathered} \infty \\ \infty \\ \infty \\ \infty \end{gathered}$ | $\begin{aligned} & -1 \\ & \dot{8} \\ & \hline 8 \end{aligned}$ | $\begin{aligned} & \text { of } \\ & \text { - } \end{aligned}$ | $\left\lvert\, \begin{aligned} & \underset{~ j}{n} \\ & \text { ু } \end{aligned}\right.$ | $\stackrel{\stackrel{r}{2}}{\stackrel{\rightharpoonup}{\circ}}$ | $\left\|\begin{array}{c} \infty \\ 0 \\ \infty \\ \infty \end{array}\right\|$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & \hline-1 \end{aligned}$ | $\left\|\begin{array}{c} 0 \\ M \\ -i \\ 0 \\ -1 \end{array}\right\|$ | $\left\|\begin{array}{l} \mathrm{N} \\ \mathrm{~N} \\ \mathrm{O} \end{array}\right\|$ | $\left\|\begin{array}{l} \infty \\ \dot{M} \\ 0 \end{array}\right\|$ | $\left.\begin{array}{\|l\|} \hline 0 \\ 0 \\ \dot{8} \end{array} \right\rvert\,$ | $\left\|\begin{array}{c} \infty \\ \underset{N}{-} \\ \underset{\sim}{i} \end{array}\right\|$ | $\left\|\begin{array}{l} 0 \\ \dot{N} \\ 0 \\ -1 \end{array}\right\|$ | $\left\|\begin{array}{c} \hline 8 \\ \underset{\sim}{\mathrm{O}} \end{array}\right\|$ | $\left\|\begin{array}{c} N \\ \stackrel{N}{\mathrm{O}} \\ \mathrm{~A} \end{array}\right\|$ | $\left\|\begin{array}{c} m \\ 0 \\ 0 \\ 0 \\ -1 \end{array}\right\|$ | $\left.\begin{array}{\|c\|} \hline \\ \infty \\ \text { j} \\ 0 \\ \end{array} \right\rvert\,$ | $\begin{aligned} & -1 \\ & \underset{~-1}{0} \\ & -1 \end{aligned}$ |  | $\left.\begin{array}{\|l\|} \hline 0 \\ 0 \\ 0 \\ 0 \\ \hline \end{array} \right\rvert\,$ | $\left\|\begin{array}{c} N \\ 0 \\ 0 \\ 0 \end{array}\right\|$ | $\left\lvert\, \begin{gathered} \infty \\ \underset{N}{0} \\ 0 \\ 0 \\ -1 \end{gathered}\right.$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\left.\begin{array}{\|c} 0 \\ \dot{\sigma} \\ \dot{\gamma} \end{array} \right\rvert\,$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & -1 \\ & -1 \end{aligned}$ | － |
|  | $\begin{gathered} 0 \\ \substack{0 \\ 0 \\ \hline} \end{gathered}$ | $\infty$ <br> $\underset{N}{0}$ <br> 0 <br> $\underset{\sim}{0}$ | $\begin{gathered} \underset{\sim}{n} \\ \underset{\sim}{n} \end{gathered}$ | $\begin{array}{\|c} \infty \\ \underset{\sim}{\top} \\ \underset{\sim}{2} \end{array}$ | $\left\|\begin{array}{l}  \pm \\ 0 \\ \dot{0} \\ \end{array}\right\|$ | $\underset{\sim}{\underset{\sim}{N}}$ | $\infty$ $\underset{\sim}{\infty}$ $\infty$ $\underset{\sim}{n}$ $\underset{\sim}{1}$ | $\left.\begin{array}{\|c\|} \hline 0 \\ -1 \\ o \\ \underset{\sim}{-1} \end{array} \right\rvert\,$ |  |  | $\left.\begin{aligned} & \infty \\ & \infty \\ & \infty \\ & \infty \\ & \sim \\ & \sim \end{aligned} \right\rvert\,$ | $\begin{aligned} & \underset{\sim}{N} \\ & \underset{\sim}{9} \\ & \underset{\sim}{2} \end{aligned}$ | $\begin{aligned} & \text { 앙 } \\ & \underset{\sim}{2} \\ & \underset{\sim}{2} \end{aligned}$ | $$ | $\left\lvert\, \begin{gathered} \underset{\sim}{n} \\ \underset{\sim}{2} \end{gathered}\right.$ | $\left.\begin{aligned} & \infty \\ & 0 \\ & 0 \\ & \infty \\ & \underset{\sim}{0} \end{aligned} \right\rvert\,$ | O O O N |  | $\left\lvert\, \begin{aligned} & \hline N \\ & \underset{N}{N} \\ & \underset{N}{n} \end{aligned}\right.$ | $\begin{aligned} & \left\|\begin{array}{l} \infty \\ \infty \\ \underset{\sim}{N} \end{array}\right\| \end{aligned}$ | $\circ$ $\stackrel{\circ}{3}$ $\underset{-1}{2}$ | $\left\lvert\, \begin{gathered} \infty \\ \underset{N}{1} \\ \underset{\sim}{n} \\ \text { N } \end{gathered}\right.$ | $\begin{array}{\|c\|} \hline 0 \\ \dot{~} \\ \dot{\sim} \\ \text { N } \end{array}$ | $\begin{array}{\|l\|} \hline 0 \\ \underset{\sim}{n} \\ \underset{N}{n} \end{array}$ | $\begin{array}{\|l} \substack{N \\ \underset{j}{2} \\ \underset{N}{N}} \end{array}$ | $\left\|\begin{array}{l\|} \hline 0 \\ M \\ 0 \\ 0 \\ N \end{array}\right\|$ |  | $\begin{aligned} & 0 \\ & \underset{-}{1} \\ & \dot{寸} \\ & \underset{N}{2} \end{aligned}$ | $\begin{aligned} & \infty \\ & \underset{\sim}{\infty} \\ & \dot{N} \\ & \underset{N}{2} \end{aligned}$ |  | $\left\|\begin{array}{l} N \\ 0 \\ 0 \\ N \end{array}\right\|$ | $\begin{aligned} & \infty \\ & \underset{N}{n} \\ & \dot{o} \\ & \underset{N}{2} \end{aligned}$ | $\left\|\begin{array}{l}  \pm \\ 0 \\ 0 \\ 0 \\ N \end{array}\right\|$ | $\left\|\begin{array}{l} \mathrm{O} \\ \stackrel{\rightharpoonup}{3} \\ \underset{N}{2} \end{array}\right\|$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & N \end{aligned}$ | $\stackrel{+}{1}$ |
|  | $\left\lvert\, \begin{aligned} & \underset{\sim}{n} \\ & \underset{子}{2} \end{aligned}\right.$ | $\left\|\begin{array}{c} \underset{\sim}{\underset{~}{*}} \\ \underset{\sim}{2} \end{array}\right\|$ | $1 \mathrm{n}$ | $\begin{gathered} N \\ \dot{6} \\ \stackrel{y}{2} \end{gathered}$ | $\left\|\begin{array}{c} \tilde{3} \\ 0 \\ \stackrel{1}{2} \end{array}\right\|$ | $\begin{aligned} & \infty \\ & \stackrel{0}{n} \end{aligned}$ | $\left\lvert\, \begin{aligned} & \underset{ }{N} \\ & \infty \\ & \infty \\ & \hline \end{aligned}\right.$ | $\begin{gathered} \mathrm{m} \\ \mathfrak{\beta} \\ \hline \end{gathered}$ | $\begin{array}{\|l\|l} \hline 0 & 1 \\ \dot{0} \\ \dot{0} & 1 \\ \hline \end{array}$ | $\left\|\begin{array}{c} \mathrm{M} \\ 1 \\ 0 \\ 0 \end{array}\right\|$ | $\left\|\begin{array}{l} 0 \\ 0 \\ 0 \end{array}\right\|$ | $\begin{aligned} & 0 \\ & \stackrel{0}{0} \\ & \hline \end{aligned}$ | $\begin{aligned} & 10 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\left\lvert\, \begin{aligned} & \mathrm{m} \\ & 0 \\ & 0 \end{aligned}\right.$ | $\left\lvert\, \begin{aligned} & \underset{N}{N} \\ & \underset{N}{2} \end{aligned}\right.$ |  | $\left\|\begin{array}{l} 0 \\ \stackrel{N}{N} \end{array}\right\|$ | $\left\|\begin{array}{l} 0 \\ 0 \\ \stackrel{0}{2} \end{array}\right\|$ | $\begin{aligned} & \mathbf{~} \\ & \underset{\sim}{\mathrm{N}} \end{aligned}$ | $\left\|\begin{array}{l} \infty \\ \underset{\sim}{N} \end{array}\right\|$ | $\begin{array}{\|c\|} \hline \stackrel{\rightharpoonup}{2} \\ \underset{\sim}{\prime} \end{array}$ | $\left\|\begin{array}{c} \underset{\sim}{n} \\ \stackrel{N}{N} \end{array}\right\|$ | $\left\|\begin{array}{l} 0 \\ \dot{0} \\ \stackrel{0}{2} \end{array}\right\|$ | $\stackrel{\substack{\mathrm{s} \\ \stackrel{\rightharpoonup}{2} \\ \hline}}{ }$ | $\left\lvert\, \begin{gathered} \infty \\ \infty \\ \infty \end{gathered}\right.$ | $\left.\begin{array}{\|c\|} \mathbf{N} \\ \mathbf{g} \\ \mathrm{N} \end{array} \right\rvert\,$ | $\begin{array}{\|c\|} \hline \stackrel{n}{-} \\ \underset{\sim}{\wedge} \end{array}$ | $\begin{aligned} & N \\ & \underset{1}{n} \\ & \underset{N}{2} \end{aligned}$ | $\begin{array}{\|l} \overrightarrow{7} \\ \underset{N}{n} \end{array}$ | $\begin{array}{\|c\|} \hline m \\ -1 \\ \infty \\ \infty \end{array}$ | $\left\|\begin{array}{c} \overrightarrow{1} \\ -1 \\ \infty \end{array}\right\|$ | $\left\|\begin{array}{l} 0 \\ 0 \\ \dot{\infty} \\ \infty \end{array}\right\|$ | $\left.\begin{array}{\|c\|} \hline ⿳ 亠 丷 \\ 0 \\ i \\ \infty \end{array} \right\rvert\,$ | $\left\|\begin{array}{c} 0 \\ \underset{\sim}{\infty} \end{array}\right\|$ | － | $\stackrel{+}{+}$ |
|  | $\begin{aligned} & \underset{\sim}{c} \\ & \infty \\ & \underset{-}{1} \end{aligned}$ | $\left\lvert\, \begin{aligned} & \underset{\sim}{N} \\ & \infty \\ & \underset{\sim}{\lambda} \end{aligned}\right.$ | $\left\lvert\, \begin{gathered} m \\ \underset{\sim}{n} \\ \underset{y}{2} \end{gathered}\right.$ | $\begin{array}{\|c\|} \hline \underset{N}{n} \\ \underset{\sim}{n} \\ \underset{\sim}{n} \end{array}$ | $\left\|\begin{array}{c} \mathrm{m} \\ \mathrm{i} \\ \underset{\sim}{n} \\ \mathrm{c} \end{array}\right\|$ | $\begin{aligned} & \infty \\ & \underset{\sim}{i} \\ & \underset{\sim}{2} \end{aligned}$ | $\left\lvert\, \begin{gathered} \underset{\sim}{1} \\ \underset{\sim}{n} \\ \underset{-}{2} \end{gathered}\right.$ | $\left\|\begin{array}{l} \hat{m} \\ \underset{\sim}{n} \\ \underset{\sim}{2} \end{array}\right\|$ |  |  | $\left\|\begin{array}{l} 0 \\ \underset{\sim}{\dot{~}} \\ \underset{\sim}{2} \end{array}\right\|$ | $\begin{aligned} & \hline \underset{\sim}{n} \\ & \underset{\sim}{\mathcal{Z}} \\ & \underset{\sim}{2} \end{aligned}$ | $\left.\begin{array}{\|c\|} \hline \stackrel{\sim}{\sim} \\ \underset{\sim}{3} \\ \underset{\sim}{2} \end{array} \right\rvert\,$ | $\begin{aligned} & n \\ & \underset{\sim}{n} \\ & \underset{\sim}{f} \end{aligned}$ | $\left\|\begin{array}{l} 8 \\ \underset{\sim}{g} \\ \underset{~}{\prime} \end{array}\right\|$ | $\left\lvert\, \begin{aligned} & -{ }_{2} \\ & 0 \\ & \underset{寸}{\prime} \\ & - \end{aligned}\right.$ | 8 8 0 -1 -1 | $\left\lvert\, \begin{gathered} \mathrm{N} \\ \mathrm{O} \\ \underset{\sim}{\mathrm{H}} \end{gathered}\right.$ | $\left\|\begin{array}{c} \hline 0 \\ \mathrm{~N} \\ \mathrm{~N} \\ \mathrm{C} \end{array}\right\|$ | $\begin{aligned} & \hline \infty \\ & \infty \\ & \mathrm{N} \\ & \mathrm{~N} \\ & \mathrm{c} \end{aligned}$ |  | $\left.\begin{array}{\|c\|} \hline 0 \\ 0 \\ 0 \\ i \\ \end{array} \right\rvert\,$ |  | $\left.\begin{array}{\|l\|} \hline \\ \underset{\sim}{\mathrm{N}} \\ \mathrm{~N} \end{array} \right\rvert\,$ |  |  |  | $\begin{aligned} & \underset{\sim}{N} \\ & \underset{N}{n} \\ & \underset{\sim}{n} \end{aligned}$ | $\begin{aligned} & \underset{7}{7} \\ & \underset{\sim}{0} \\ & \underset{\sim}{7} \end{aligned}$ | $$ | $\begin{aligned} & \stackrel{n}{n} \\ & \underset{0}{0} \\ & \stackrel{n}{2} \end{aligned}$ | 8 <br> 0 <br> 0 <br> 0 | $\begin{aligned} & \hline 1 \\ & 0 \\ & 0 \\ & 0 \\ & \end{aligned}$ | $\begin{array}{\|l\|l\|l\|l\|l\|} \substack{1 \\ \stackrel{1}{2} \\ \hline} \end{array}$ | $\begin{aligned} & 0 \\ & \underset{1}{n} \\ & 0 \\ & 0 \\ & 1 \end{aligned}$ |  |
|  | $\left\|\begin{array}{c} \infty \\ \infty \\ 0 \\ 0 \end{array}\right\|$ | $\begin{aligned} & \underset{\sim}{\lambda} \\ & \underset{N}{n} \end{aligned}$ | $\left\|\begin{array}{l} \dot{0} \\ \dot{M} \end{array}\right\|$ | $\begin{aligned} & \infty \\ & \underset{\sim}{\infty} \\ & \underset{m}{2} \end{aligned}$ | $\left\|\begin{array}{c} \mathrm{N} \\ 0 \\ \infty \\ \mathrm{~m} \end{array}\right\|$ | $\begin{aligned} & n \\ & \infty \\ & \infty \\ & \end{aligned}$ | $\begin{gathered} { }_{1}^{1} \\ \underset{\sim}{2} \end{gathered}$ | $\begin{array}{\|c} \infty \\ \stackrel{0}{n} \\ \underset{m}{m} \end{array}$ |  | $\begin{aligned} & \hline N \\ & \\ & \underset{\sim}{n} \end{aligned}$ | $\left\|\begin{array}{l} f \\ 寸 \\ 寸 \end{array}\right\|$ | $\left\|\begin{array}{l} 0 \\ \stackrel{0}{\mathrm{O}} \end{array}\right\|$ | $\begin{aligned} & \circ \\ & \stackrel{\circ}{1} \\ & \stackrel{1}{2} \end{aligned}$ | $\left\|\begin{array}{l} N \\ \dot{G} \end{array}\right\|$ | $\left\|\begin{array}{l} 0 \\ \infty \\ \underset{\sim}{0} \end{array}\right\|$ | $\begin{array}{\|c} \substack{m \\ m \\ \underset{j}{2} \\ \hline} \end{array}$ | $\left\lvert\, \begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 1 \end{aligned}\right.$ | $\left\|\begin{array}{l} \infty \\ 0 \\ 0 \\ 1 \end{array}\right\|$ | $\begin{gathered} 0 \\ \text { M } \\ \vec{n} \\ \hline \end{gathered}$ | $\left\|\begin{array}{l} 0 \\ -1 \\ \dot{0} \end{array}\right\|$ | $\begin{array}{\|c\|} \hline \infty \\ 0 \\ \underset{\sigma}{\dot{\sigma}} \end{array}$ | $\left\|\begin{array}{l} 1 \\ 0 \\ 0 \\ 1 \end{array}\right\|$ | $\left\|\begin{array}{c} 9 \\ \underset{i}{n} \\ i \end{array}\right\|$ | $\left\lvert\, \begin{aligned} & \infty \\ & \underset{i}{\infty} \\ & \dot{n} \end{aligned}\right.$ | $\begin{gathered} \mathbf{0} \\ \underset{\sim}{\mathrm{N}} \end{gathered}$ | $\left\|\begin{array}{l} \infty \\ \underset{\sim}{n} \\ \hat{n} \end{array}\right\|$ | $\begin{array}{\|c\|} \hline \underset{\sim}{\mathcal{R}} \\ \stackrel{1}{2} \end{array}$ | $\begin{array}{\|c\|} \hline \infty \\ 0 \\ \vdots \\ \stackrel{n}{2} \end{array}$ | $\left\|\begin{array}{c} \mathrm{N} \\ \mathrm{~N} \\ \mathrm{~N} \end{array}\right\|$ | $\begin{array}{\|c\|} \hline \underset{\sim}{\sim} \\ \underset{\sim}{n} \\ \hline \end{array}$ | $\left\lvert\, \begin{gathered} -1 \\ \underset{子}{1} \\ \stackrel{1}{2} \end{gathered}\right.$ | $\left.\begin{array}{\|c\|} \hline \underset{0}{0} \\ \dot{5} \end{array} \right\rvert\,$ | $\begin{gathered} \mathrm{N} \\ \underset{+}{\dot{+}} \\ \hline \end{gathered}$ | $\begin{array}{\|c} \substack{\mathrm{N} \\ \dot{\sim} \\ \hline} \end{array}$ |  | － |
|  | $\left\lvert\, \begin{aligned} & \infty \\ & \infty \\ & \infty \end{aligned}\right.$ |  | $\dot{\infty}$ | $\mid$ | $\left\|\begin{array}{c} \mathrm{O} \\ \infty \\ \infty \\ \infty \end{array}\right\|$ | $\begin{aligned} & 0 \\ & \infty \\ & \infty \\ & \infty \end{aligned}$ | $\begin{aligned} & \underset{1}{+} \\ & \infty \\ & \infty \end{aligned}$ | $\begin{array}{\|c} \infty \\ 0 \\ \infty \\ \infty \end{array}$ | $\begin{array}{\|c} \mathbf{N} \\ \underset{N}{2} \end{array}$ | $\begin{aligned} & N \\ & \infty \\ & \dot{\infty} \end{aligned}$ | $\begin{aligned} & \ddagger \\ & \dot{j} \\ & \dot{j} \end{aligned}$ | $0$ | $\begin{aligned} & \mathrm{O} \\ & \mathrm{~N} \\ & \mathrm{~N} \end{aligned}$ | $\left\|\begin{array}{c} \underset{N}{2} \\ \dot{\phi} \end{array}\right\|$ | $\left\|\begin{array}{l} 0 \\ 0 \\ 0 \\ 0 \end{array}\right\|$ | $\begin{array}{\|c\|} \hline \left.\begin{array}{l} 3 \\ m \\ \dot{o} \end{array} \right\rvert\, \end{array}$ | $\left.\begin{array}{\|l\|} \hline 0 \\ 0 \\ 0 \\ \hline-1 \end{array} \right\rvert\,$ | $\left\|\begin{array}{l} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline \end{array}\right\|$ | $\begin{array}{\|c} 0 \\ ल \\ \underset{\sim}{0} \\ \underset{-1}{ } \end{array}$ | $\begin{aligned} & \underset{\sim}{N} \\ & \underset{i}{1} \end{aligned}$ | $\begin{array}{\|c\|} \hline 0 \\ 0 \\ \dot{8} \\ \hline \end{array}$ | $\left\|\begin{array}{l} \text { 寸 } \\ 0 \\ 0 \\ 0 \\ -1 \end{array}\right\|$ | $\left\lvert\, \begin{aligned} & 0 \\ & 0 \\ & -i \\ & \underset{-i}{ } \end{aligned}\right.$ |  |  | $\left.\begin{array}{\|c\|} \infty \\ \underset{-1}{1} \\ \underset{\sim}{1} \end{array} \right\rvert\,$ | $\begin{aligned} & \underset{\sim}{\mathcal{N}} \\ & \underset{\sim}{i} \end{aligned}$ | $\left\|\begin{array}{\|c\|} \infty \\ \underset{\sim}{\mathrm{O}} \\ \hline \end{array}\right\|$ | $$ | $\left\lvert\, \begin{gathered} \underset{\sim}{\sim} \\ \underset{\sim}{\sim} \\ \underset{\sim}{2} \end{gathered}\right.$ | $\begin{aligned} & 0 \\ & \underset{\sim}{O} \\ & \underset{\sim}{1} \end{aligned}$ | $$ | $$ | $\left.\begin{aligned} & N \\ & \dot{O} \\ & \dot{A} \end{aligned} \right\rvert\,$ | $\left\|\begin{array}{c} 9 \\ + \\ 0 \\ 0 \\ -1 \end{array}\right\|$ | － |
|  | $\begin{array}{\|l\|} \hline 0 \\ 0 \\ \hline \end{array}$ | $\begin{aligned} & 3 \\ & 2 \\ & \hline \end{aligned}$ | $\begin{aligned} & \overleftarrow{0} \\ & 0 \end{aligned}$ | $\begin{aligned} & \stackrel{0}{0} \\ & \stackrel{y}{\circ} \end{aligned}$ | $\begin{aligned} & \frac{0}{2} \\ & \frac{1}{4} \end{aligned}$ | $\overline{\mathrm{s}}$ | $\stackrel{\cong}{\leftrightharpoons}$ | $\sum^{\text {त㐅}}$ | $\frac{\grave{2}}{\mathbf{4}}$ | $\sum_{\Sigma}^{\bar{\pi}}$ | $\begin{array}{\|c} \hline \stackrel{0}{0} \\ \stackrel{4}{4} \\ \hline \end{array}$ | $$ | $\begin{aligned} & 0 \\ & \hline 0 \\ & \hline 1 \end{aligned}$ | $\begin{array}{\|l} 3 \\ Z \\ \hline \end{array}$ | $\begin{array}{\|l\|} \hline \\ 0 \\ \hline \end{array}$ | $\begin{array}{\|l\|} \hline 0 \\ \hline 0 \\ \hline \end{array}$ | $\frac{0}{2}$ | $\overline{5}$ | $\stackrel{\cong}{\leftrightharpoons}$ | $\sum_{\Sigma}^{\text {® }}$ | $\frac{\grave{a}}{\mathbf{c}}$ | $\sum^{\text {®̄\|}}$ | $$ | $\begin{array}{\|c\|} \stackrel{~}{\pi} \\ \hline \end{array}$ | $\left\|\begin{array}{l} 0 \\ \hline \end{array}\right\|$ | $\begin{array}{\|l\|} \hline 0 \\ Z \\ \hline \end{array}$ | $\begin{aligned} & \mathrm{U} \\ & 0 \\ & \hline \end{aligned}$ | $\begin{gathered} 0 \\ 0 \\ 0 \end{gathered}$ | $\begin{aligned} & 0 \\ & \frac{3}{4} \\ & \hline \end{aligned}$ | $\overline{3}$ | $\stackrel{\cong}{\leftrightharpoons}$ | $\sum_{\Sigma}^{\pi}$ | 产 | $\begin{array}{\|l\|} \hline \stackrel{\rightharpoonup}{\pi} \\ \hline \end{array}$ | － | ¢ |
|  | $$ | $\begin{aligned} & -1 \\ & \underset{N}{2} \end{aligned}$ | $\begin{aligned} & -1 \\ & \underset{\sim}{n} \end{aligned}$ | $\left\|\begin{array}{l} -1 \\ \hline 0 \\ N \end{array}\right\|$ | $\begin{aligned} & -1 \\ & \hline 0 \\ & \text { No } \\ & \hline \end{aligned}$ | $\begin{aligned} & -1 \\ & \hline \end{aligned}$ | $\begin{array}{\|c} -1 \\ \hline-\mathrm{O} \\ \mathrm{~N} \end{array}$ | $$ | $\begin{array}{\|c} -\underset{O}{0} \\ \text { N- } \end{array}$ | $\begin{aligned} & -1 \\ & \hline-\mathrm{O} \\ & \mathrm{~N} \end{aligned}$ | $\begin{array}{\|c} -1 \\ \hline \mathbf{N} \\ \hline \end{array}$ | $\begin{aligned} & \text { I- } \\ & \text { N } \\ & \hline \end{aligned}$ | $\begin{array}{\|c\|} \hline \mathrm{O} \\ \hline \end{array}$ | $\begin{array}{\|l\|l} \hline \mathrm{O} \\ \mathrm{~N} \\ \hline \end{array}$ | $\begin{aligned} & \mathrm{O} \\ & \mathrm{O} \\ & \hline \end{aligned}$ | $\left\lvert\,\right.$ | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{~N} \\ & \hline \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \mathrm{O} \\ & \hline \end{aligned}$ | \|잉 | $\begin{aligned} & \mathrm{O} \\ & \mathrm{O} \\ & \mathrm{~N} \end{aligned}$ |  | $\begin{array}{\|l\|} \hline \mathrm{O} \\ \hline \end{array}$ | $\left\|\begin{array}{l} \mathrm{O} \\ \hline 0 \end{array}\right\|$ | \|o | 杂 | $\begin{aligned} & \mathbf{8} \\ & \underset{\sim}{-} \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \mathbf{g} \\ & \underset{\sim}{-} \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { ® } \\ & \hline \end{aligned}$ | $\begin{array}{\|l} \hline 8 \\ \hline \\ \hline \end{array}$ | $\begin{aligned} & \mathbf{9} \\ & \underset{\sim}{-} \\ & \hline \end{aligned}$ | $\begin{aligned} & \mathrm{g} \\ & \hline \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \mathbf{\circ} \\ & \underset{\sim}{\prime} \\ & \hline \end{aligned}$ | － | © | 总 | \％ |

REDEMPTION VALUES AND INTEREST EARNED

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[^0]:    *This Supplement to J.K. Lasser's Your Income Tax reflects tax developments as of February 14, 2012. Please revisit us at www.jklasser.com for further updates.

[^1]:    * This column must also be used by a qualifying widow(er)

[^2]:    *If your local rate is different from 1 percent, the local portion of your deduction for sales tax will be proportionally larger or smaller. See the instructions for line 3 of the State and Local General Sales Tax Deduction Worksheet.

[^3]:    BONDS ISSUED DECEMBER 1981 AND EARLIER HAVE REACHED FINAL MATURITY AND WILL EARN NO ADDITIONAL INTEREST.

