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OPERATORS  
NOTEBOOK

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**comptomatic**  
**993**

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DIPLOMA  
COURSE

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SUMLOCK COMPTOMETER

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Issued to

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Margaret shortman

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by

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## I N D E X

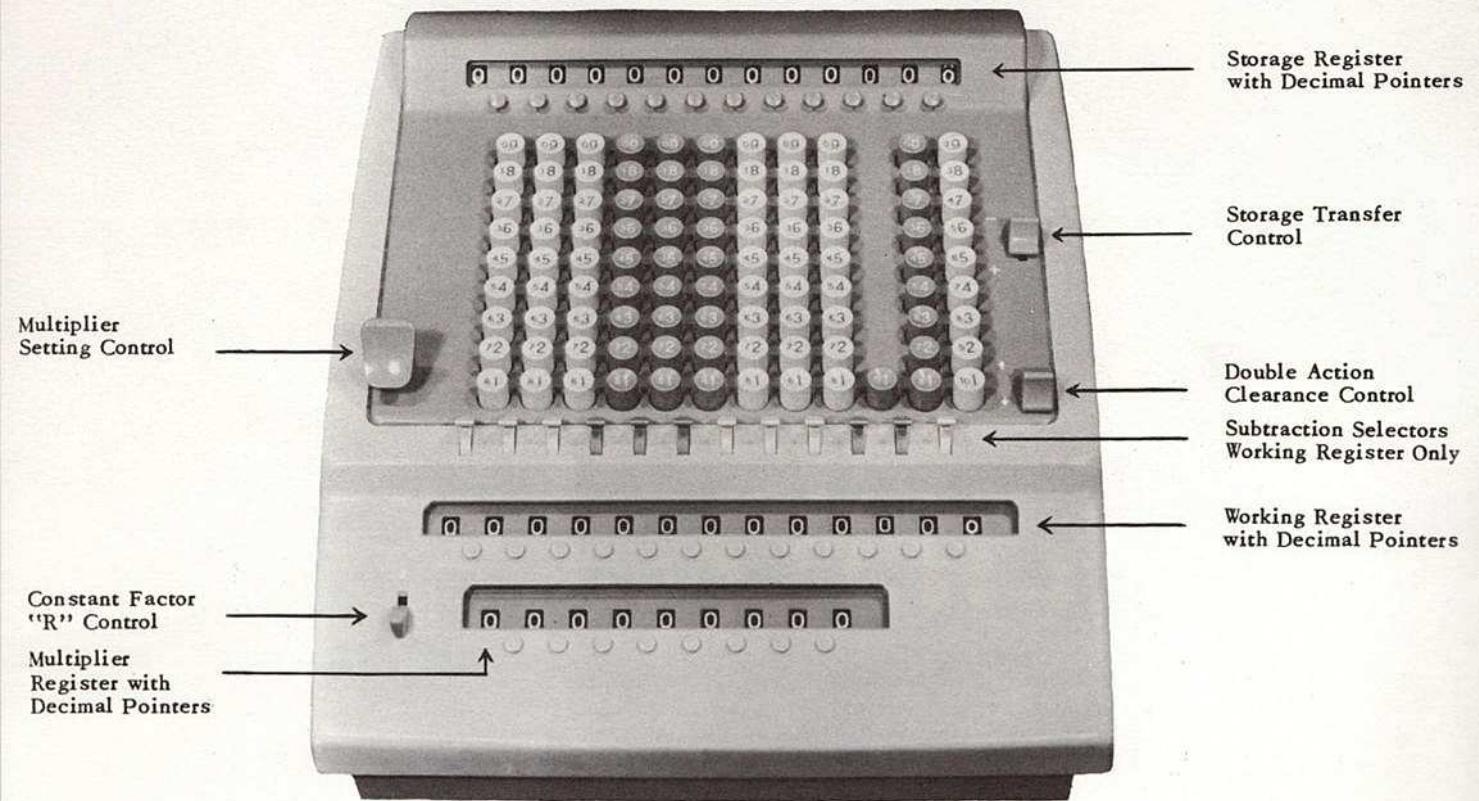
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### Pence and Farthings as Decimals of a Shilling

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	0	1	2	3	4	5	6	7	8	9	10	11	
				$\frac{1}{4}$	$\frac{1}{3}$		$\frac{1}{2}$		$\frac{2}{3}$	$\frac{3}{4}$			
	.083333	.166666	.25	.333333	.416666	.5	.583333	.666666	.75	.833333	.916666		
1/4	.020833	.104166	.1875	.270833	.354166	.4375	.520833	.604166	.6875	.770833	.854166	.9375	$\frac{15}{16}$
1/2	.041666	.125	.208333	.291666	.375	.458333	.541666	.625	.708333	.791666	.875	.958333	$\frac{7}{8}$
3/4	$\frac{1}{16}$			$\frac{5}{16}$		$\frac{9}{16}$			$\frac{13}{16}$				$\frac{3}{4}$
	.0625	.145833	.229166	.3125	.395833	.479166	.5625	.645833	.729166	.8125	.895833	.979166	

### Pence and Farthings as Decimals of a £

(Copyright reserved)

	0	1	2	3	4	5	6	7	8	9	10	11	
		.004166	.008333	.0125	.016666	.020833	.025	.029166	.033333	.0375	.041666	.045833	
1/4	.0010416	.0052083	.009375	.0135416	.0177083	.021875	.0260416	.0302083	.034375	.03854166	.0427083	.046875	$\frac{1}{4}$
1/2	.0020833	.00625	.0104166	.0145833	.01875	.0229166	.0270833	.03125	.0354166	.0395833	.04375	.0479166	$\frac{1}{2}$
3/4	.003125	.0072916	.0114583	.015625	.0197916	.0239583	.028125	.0322916	.0364583	.040625	.0447916	.0489583	$\frac{3}{4}$

## **INTRODUCTION**

The 993 Comptomatic introduces a new principle in the operating of what is commonly known as the "key drive" machine.

This machine has a magic multiplying device eliminating thousands of key depressions which would normally have to be made.

From an operating point of view 993 Comptomatic automatically gives:-

### **Greater Accuracy**

### **Greater Simplicity**

### **Greater Productivity**

One can't help but notice the major improvements made to the 993 Comptomatic. The first improvement is the new keyboard. It is much more compact than the old one. It is also easier to use. The keys are larger and easier to find. The layout of the keys is also more logical.

A further advantage of the new keyboard is that it is much easier to multiply and divide. The new keyboard is also much easier to use. The layout of the keys is also more logical.

The 993 Comptomatic is a very fast machine. It can perform calculations at a rate of up to 1000 operations per minute. It is also very accurate. The 993 Comptomatic is a great addition to any office or business. It is also very reliable. The 993 Comptomatic is a great investment for any business.

## Note No. 1

### **ADDITION**

- When adding you use the large figures on the key-tops. Only one key at a time should be depressed. Slow rhythmical strokes are essential when learning addition. Speed will come naturally with practice.

#### YOU MUST NOT LOOK AT THE KEYBOARD

- No figure on the keyboard above 5 is ever used in addition, with the exception of 6 in the pence column in registering 11 pence. (\* see below).
- Above 5 add:-

First 3 then 3 for 6

" 4 " 3 " 7

" 4 " 4 " 8

" 5 " 4 " 9

" 5 " 5 " 10d in the pence column only.

\* " 6 " 5 " 11d " " " "

- Correct Fingering

#### Shillings and Pence

10/- key	- Operate with first finger of left hand.
Unit shilling keys	- Operate with first finger of right hand.
Pence keys	- Operate with second finger of right hand.

#### Whole Numbers

Units	- Operate with second finger of right hand.
Tens	- Operate with first finger of right hand.
Hundreds	- Operate with first finger of left hand.
Thousands	- Operate with second finger of left hand.
Tens of Thousands	- Operate with third finger of left hand.

It is often found quicker when adding 6 figures, to add units, tens and hundreds first, and then, thousands, tens of thousands and hundreds of thousands etc., afterwards.

#### Adding of £. s. d.

When all the £'s items are units the £. s. d. are added straight across, using the following fingering:-

Second finger of left hand for £'s.

First finger of left hand for 10/- key.

First finger of right hand for unit shillings.

Second finger of right hand for pence.

- In Cross Casting and Slip-adding the figures are added into the machine in their entirety, commencing with the left hand figure, and using the first two fingers of the right hand only.

## Note No. 2

### MULTIPLICATION

MULTICAND - The figure to be multiplied.

MULTIPLIER - The figure by which you multiply.

PRODUCT - The result of the multiplication.

The large figures on the key tops and all keys 1 to 9 inclusive and left of the 10/- key are used for multiplication.

Only left to right multiplication is possible on the COMPTOMATIC

The Multiplier Setting Control situated on the left of the keyboard must be pushed forward and engaged whilst one factor is keyed into the Multiplier Register.

The Multiplier Setting Control is then released to its normal position and the second factor is selected or held on the keyboard of the machine.

The second factor being "held" needs one firm depression only and a "pause" in each position moving from left to right. The movement of the mechanism of the machine when automatically multiplying will indicate to the operator when each multiplier figure has been "used".

Figures in the Multiplier Register disappear as used during multiplication the exception being when the "Constant Factor" "R" Control is set in the upward position.

The Constant Factor "R" Control is set to retain the multiplier factor when it remains "constant" for a number of calculations.

#### NOTE:

The "R" Control is set downwards for normal multiplications.

The "R" Control is set upwards for multiplication by a Constant Factor.

The Multiplier Register is watched by the operator and the calculation is complete as soon as the last figure in the Multiplier Register is used.

The answer now appearing in the "Working Register" can be read off.

Care must be taken when the Multiplier Register contains a "0" or "0's". In these circumstances the operator must watch the Multiplier Register closely so that the column(s) containing "0"(s) can be passed over.

A factor can be entered in any position in the Multiplier Register and multiplied by the "held" factor in any selected position on the keyboard moving from left to right.

The Multiplier Register can be cleared when sufficient of its figures have been used by depressing the  $\frac{1}{4}$ d 1d or 1/- key ONCE for each column still containing figures.

Note No. 2, continued

1) MULTIPLICATION OF WHOLE NUMBERS AND WHOLE NUMBERS AND DECIMALS

Example 1       $456 \times 8$

Push forward and hold the Multiplier Setting Control and add 8 into the machine at the extreme left-hand side. The figures will appear in the Multiplier Register. Place the decimal pointer in position (i.e. after 8).

Count the whole numbers in both multiplier and multiplicand (in this example there are 4) and place a decimal pointer in the Working Register 4 places from the left-hand side of machine.

Hold 456 in the UNITS position (in this example 456 will be held immediately to the left of the decimal pointer). Depress the keys once, keeping them depressed until the machine has multiplied by 8.

Answer = 3648

Example 2       $456 \times 38$

Add 38 into the Multiplier Register and place the decimal pointer in position (i.e. after 8).

Count the whole numbers in both multiplier and multiplicand (in this example there are 5) and place a decimal pointer in the Working Register 5 places from the left-hand side of the machine.

Hold 456 in the UNITS position (i.e. 456 immediately to the left of the decimal pointer). Move the hands ONE place to the left in order to multiply by TENS in the Multiplier Register.

Depress and hold the keys ONCE whilst the machine multiplies by 3.

Move the hands one place to the right, depress and hold the keys ONCE whilst the machine multiplies by 8.

Answer = 17328

Example 3       $456 \times 738$

Add 738 into the Multiplier Register and place the decimal pointer in position (i.e. after 8).

Count the whole numbers in both multiplier and multiplicand (in this example there are 6) and place a decimal pointer in the Working Register 6 places from the left-hand side of the machine.

Hold 456 in the UNITS position (i.e. 456 immediately to the left of the decimal pointer). Move the hands TWO places to the left in order to multiply by HUNDREDS in the Multiplier Register.

Depress and hold the keys ONCE whilst the machine multiplies by 7.

Move the hands one place to the right, depress and hold the keys ONCE whilst the machine multiplies by 3.

Move the hands again one place to the right, depress and hold the keys ONCE whilst the machine multiplies by 8.

Answer = 336528

Note No. 2, continued

Now try the following examples observing the rules explained above.

57.45	x	83.6	Answer =	4802.82
329.8	x	16.4		5408.72
19.65	x	4.87		95.6955
4.329	x	45.22		195.75738
16.8	x	327.65		5504.52
443.56	x	657.8		291773.768

2) MULTIPLICATION OF WHOLE NUMBERS AND DECIMALS WHERE EITHER THE MULTIPLICAND OR THE MULTIPLIER IS A DECIMAL AMOUNT.

Example 1       $57.45 \times .76$

Add .76 into the Multiplier Register at the extreme left-hand side of machine.

Place the decimal pointer in the Working Register so that 57 can be held to the left of it and 45 to the right of it.

Since there are no whole numbers in the Multiplier Register we must move our hands to the right - ONE place because the first figure after the pointer in the Multiplier Register is in the FIRST decimal place.

Carry out the multiplication in the usual way.

Answer = 43.662

Example 2       $416.8 \times .042$

Add .042 into the Multiplier Register at the extreme left-hand side of machine.

Place the decimal pointer in the Working Register so that 416 is held to the left of it and 8 to the right of it.

In this example the first figure in the Multiplier Register is in the SECOND decimal place so we must therefore move our hands TWO places to the right before commencing our multiplication.

Answer = 17.5056

Example 3       $7.64 \times .0056$

Add .0056 into the Multiplier Register at the extreme left-hand side of machine.

Place the decimal pointer in the Working Register so that 7 is held to the left of it and 64 to the right of it.

In this example the first figure in the Multiplier Register is in the THIRD decimal place so we must therefore move our hands THREE places to the right before commencing our multiplication.

Answer = .042784

### Note No. 2, continued

#### IT IS ESSENTIAL TO UNDERSTAND THE FOLLOWING

The Multiplicand must be held correctly in relation to the decimal pointer placed in the Working Register, otherwise the following rules will be of no value.

- a) If the figures in the Multiplier Register are UNITS, commence multiplying in the same position BUT
- b) If the figures are TENS the hands first move ONE place to the left.
- c) If the figures are HUNDREDS the hands first move TWO PLACES to the left.
- d) If the figures are THOUSANDS the hands first move THREE places to the left.  
and so on
- e) If the figures commence in the FIRST decimal place the hands move ONE place to the right.
- f) If the figures commence in the SECOND decimal place the hands move TWO places to the right.
- g) If the figures commence in the THIRD decimal place the hands move THREE places to the right.
- h) If the figures commence in the FOURTH decimal place the hands move FOUR places to the right.  
and so on.

#### 3) MULTIPLICATION WHEN BOTH MULTIPLIER AND MULTIPLICAND IS A DECIMAL AMOUNT

The decimal pointer in both Multiplier and Working Registers should be placed at the extreme left-hand side of machine.

The Multiplicand must first be held correctly in relation to the decimal point, then the hands are moved to the right, according to the Multiplier as explained in Section 2.

Try the following examples.

.836 x .245	Answer = .20482
.725 x .036	.0261
.084 x .048	.004032
.016 x .0053	.0000848
.045 x .00072	.0000324
.0069 x .0034	.00002346

#### FIXED POINT METHOD OF MULTIPLICATION

This method is used in simple extensions - wages, accumulations and work of a similar nature, where the work is repetitive.

##### Method

Place the decimal pointer in the Working Register in the most suitable position (in accumulation - glance at the work and place pointer for the largest number of whole numbers).

Add one factor into the Multiplier Register.

## Note No. 2, continued

Hold the other factor in its correct position over the "FIXED POINT" (the whole numbers to the left of the decimal pointer and the decimals to the right of the decimal pointer).

The figures are now in a position to be multiplied by the units of the other factor. If the figures held are to be multiplied by tens, hundreds or thousands, move one place to the left (from units position) for tens and two places for hundreds and so on.

To multiply by a decimal move one place to the right (from the units position) for 1st decimal place, two places to right for 2nd decimal place and so on.

### Note No. 3

#### **SUBTRACTION**

SUBTRAHEND - The figure to be subtracted.

MINUEND - The figure to be subtracted from.

Subtraction on the Comptomatic Storage Register is a very simple process and is operated as follows:-

- 1) The Minuend is added into the Working Register and then transferred to the Storage Register, the Storage Control being moved towards the " + " sign.
- 2) The Subtrahend is added into the Working Register and then transferred to the Storage Register, the Storage Control being moved towards the " - " sign.
- 3) The answer appears of course in the Storage Register.

Example 1      3456 - 1523

Add 3456 into Working Register transfer "+".

Add 1523 into Working Register transfer "-".

Answer = 1933

Example 2      £415. 10s. 9d. - £97. 16s. 8d.

Add £415. 10s. 9d. into Working Register transfer "+".

Add £97. 16s. 8d. into Working Register transfer "-".

Answer = £317. 14s. 1d.

Subtraction on the Comptomatic Single Register machine is operated in the following manner:-

#### Rules Regarding Subtrahend

The small figures on the keytops are used - less one on last figure of value.

#### Rule for '0's

- 1) When '0's occur between other figures as in 2023 depress small '0' in that column.
- 2) When '0's occur at the end of a number, as in 1230 ignore the '0's and less one from the last figure of value.

#### Rule for 9's

- 1) When '9' occurs at the beginning or in the middle of a number, DO NOT depress any key in that column.
- 2) When '9' occurs at the end of a number - less one and depress small 8.

### Note No. 3, continued

Example 1      749 - 235

Add 749 into the Working Register (at right hand side of keyboard on large figures).

With left hand depress the Subtraction Selector immediately to the left of the first figure to be subtracted (in this example the hundreds column as we always subtract from left to right).

With the right hand:-

Depress small 2 in the hundreds column.

Depress small 3 in the tens column.

Depress small 4 (5 less 1) in the units column.

Answer = 514

Example 2      23724 - 4098

Add 27324 into the Working Register (at right hand side of keyboard on large figures).

Depress the Subtraction Selector to the left of the thousands column.

With the right hand:-

Depress small 4 in the thousands column.

Depress small 0 in the hundreds column.

Leave tens column open (as there is no small 9).

Depress small 7 (8 less 1) in the units column.

Answer = 19626

Example 3      345 - 230

Add 345 into the Working Register (at right hand side of keyboard on large figures).

Depress the Subtraction Selector to the left of the hundreds column.

With the right hand:-

Depress small 2 in the hundreds column.

Depress small 2 (3 less 1) in the tens column.

DO NOT DEPRESS ANY KEY IN THE UNITS COLUMN.

Answer = 115

### Decimal Subtraction

The principle remains the same, but care must be taken to see that in the amounts concerned, the decimal pointers coincide.

### Subtraction of £. s. d.

#### Rule for 10/- key.

- 1) When subtracting an amount containing 10/- such as £13.17s.10d, do not depress the 10/- key as there is no small '1' in this column.
- 2) When subtracting an amount with NO 10/- amount, such as £25.2s.6d. depress the 10/- key as there IS a small '0' in this column.

### Note No. 3, continued

#### Rule for Deducting 1d and 2d.

When deducting 1d and 2d from an amount the following rules apply, because there are no 10d. or 11d. keys.

- 1) When subtracting 2d - depress LARGE 5d twice.
- 2) When subtracting 1d - depress LARGE 6d and LARGE 5d once.

#### Subtraction of Farthings when using a Farthing Model Machine

When subtracting a sterling amount which includes farthings, it must be remembered that the last figure of value applies to the farthings column.

Example      £2. 16s.  $4\frac{1}{2}$ d. - £1. 12s.  $3\frac{3}{4}$ d.

Add £2. 16s.  $4\frac{1}{2}$ d. into the Working Register.

Depress the Subtraction Selector to the left of the Unit £'s column and depress small 1 in that column.

Leave 10/- key open.

Depress small 2 in unit shillings column.

Depress small 3 in pence column.

Depress small  $\frac{1}{2}$ d ( $\frac{3}{4}$ d less  $\frac{1}{4}$ d) in farthings column.

Answer = £1. 4s.  $0\frac{3}{4}$ d.

#### GENERAL NOTE

Always remember when subtracting to add back the subtrahend to prove.

#### Note No. 4

#### **Division - By Reciprocal Multiplication**

Division is easily carried out on the Comptomatic by means of what is known as "Reciprocal Multiplication". A Reciprocal is the result of dividing any figure into 1 (one) e.g.  $144 \div 12 = 144 \times 1/12$

$$\begin{aligned} &= 144 \times .083333 \\ &= 12 \end{aligned}$$

Simple Divisions can be performed on the Comptomatic by using the RECIPROCAL CHART.

Always add the Reciprocal into the Multiplier Register.

All the normal rules which apply to multiplication of whole numbers and decimals apply to the following examples.

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Example 1 £182. 13s. Od.  $\div$  57

Find the Reciprocal of 57 from the Chart and add it into the Multiplier Register = .01754386. £182.65 is "held" and multiplication takes place in the usual way.

Answer = £3. 4s. 1d.

Example 2 £146. 10s. 6d.  $\div$  2.85

Add the Reciprocal of 285 (.003508772) into the Multiplier Register.

In order that our decimal point should be correctly placed for 2.85 move the decimal pointer one place to the RIGHT for EACH DECIMAL PLACE. In this example the decimals we have are '8' and '5' so the pointer will move TWO places to the right. The reciprocal for 2.85 is, therefore, .3508774. £146.525 is "held" and multiplication takes place in the usual way.

Answer = £51. 8s. 3d.

Example 3 £2. 11s. Od.  $\div$  .354

Add the Reciprocal of 354 (.002824859) into the Multiplier Register. Now move the Decimal Pointer three places to the right because in this example we are concerned with three decimal figures - '3', '5' and '4'.

The Reciprocal for .354 is, therefore, 2.824860.

£2.55 is "held" and multiplication takes place in the usual way.

Answer = £7. 4s. 1d.

Example 4 £1. 10s. 6d.  $\div$  .0025

Add the Reciprocal of 25 into the Multiplier Register. Now move the decimal pointer four places to the Right.

The Reciprocal of .0025 is, therefore, 400.

£1.525 is "held" and multiplication takes place in the usual way.

Answer = £610. 0s. Od.

## Note No. 5

### **ACCUMULATION OF PRODUCTS**

To Accumulate is to allow one product to add to another in the machine.

Using the "Fixed Point" method of multiplication, care must be taken to allow a sufficient number of columns to the left of the decimal pointer for whole numbers in order to have plenty of machine space for the 'carry-over' figures.

Accumulation can be utilised both in checking and in original calculations when only the final figure is required.

## Note No. 6

### CONTINUED MULTIPLICATION

When three or more factors have to be multiplied together and only the final answer is required the method is known as Continued Multiplication.

#### Rules for Working

1. Multiply the first two factors in the usual way. The answer is shown in the Working Register.
2. Transfer this answer to the Multiplier Register.
3. Clear Working Register.
4. Third factor is "held" and multiplication takes place.

Do not forget to make alterations, if necessary, to the decimal pointers as each new stage is reached.

Example 1       $63 \times 48 \times 7$

- 1) Using the Multiplier Setting Control "set" 63 into the "Multiplier Register" 48 is "held" and multiplication takes place. Answer in Working Register is 3024.
- 2) "Set" 3024 into the Multiplier Register.
- 3) Clear Working Register.
- 4) 7 is "held" and multiplication takes place but first adjust the decimal pointers in order that multiplication can take place correctly.

Answer = 21168

Example 2       $52 \times 62 \times 82$

- 1) Multiply 52 by 62 in usual way. Answer = 3224
- 2) "Set" 3224 into the Multiplier Register.
- 3) Clear Working Register.
- 4) Adjust decimal pointers. 82 is "held" and multiplication takes place.

Answer = 264368

Example 3       $3.764 \times 1.864 \times .0062$

- 1) Multiply 3.764 by 1.864 in usual way. Answer = 7.016096
- 2) "Set" 7.016096 into the Multiplier Register.
- 3) Clear Working Register.
- 4) Adjust decimal pointers. (In this example it will only be necessary to adjust the decimal pointer in the Working Register - the pointer being placed at the extreme left-hand side of machine). .0062 is "held" and multiplication takes place.

Answer = .043499794

## Note No. 7

### **DECIMALISATION**

Example 1      45 articles @  $3/6\frac{1}{4}d$  each

When we multiply a quantity by a price we have to convert the price to whole numbers and decimals. Decimal Charts are provided to facilitate this conversion.

In the above example if we treat the shillings as whole numbers then the pence and farthings must be decimalised from the chart, "Pence and Farthings as Decimals of a Shilling".

Therefore our extension becomes  $45 \times 3.52083\text{'}$ .

Add  $3.52083\text{'}$  into the Multiplier Register, hold 45 and multiply as before.

The answer shown in the Working Register is 158.4375 shillings.

To convert to £.s.d. cover the unit shillings and mentally divide the figures to the left of them by 2. In this example we shall be covering the 8, which leaves 15 to be divided by 2 = 7 and 1 over. The "1" over represents 10/-d. We have therefore, £7. 10s. Od. Now add to this the figure which was covered i.e.  $8/-d = £7. 18s. 0d$ . The pence will be found by referring to the decimal chart and finding the decimal nearest your answer i.e.  $5\frac{1}{4}d$ .

The answer is therefore £7. 18s.  $5\frac{1}{4}d$ .

If we decide to decimalise to £'s then we have to convert both shillings and pence to decimals.

#### To Decimalise Shillings to £1.

Halve the number of shillings and decimalise as so many 10ths.

Example 1      1 shilling =  $1 \div 2 = .5$  then divide by 10 = .05.

Example 2      10 shillings =  $10 \div 2 = 5$  then divide by 10 = .5.

Example 3      11 shillings =  $11 \div 2 = 5.5$ . then divide by 10 = .55.

#### To Decimalise Pence to £1.

Refer to the chart headed "Pence and Farthings as Decimals of £1" and read off the decimals shown against the pence and pence fractions you require.

45 articles @  $3/6\frac{1}{4}d$  each becomes therefore

$45 \times £.1760416$       (  $3/- = .15$

$$\begin{array}{r} 6\frac{1}{4}d = .0260416 \\ \hline .1760416 \end{array}$$

The answer shown in the Working Register is £7.9218744

### Note No. 7, continued

To convert £'s and decimals to £.s.d.

Whole numbers are £'s.

#### For Shillings

Double the figure in the first decimal place and if the second decimal place is 5 or more add another shilling.

#### For Pence

Mentally subtract the shillings, as decimals, from the figures following the decimal point and convert the remaining decimal to pence and fractions by referring to your decimal chart.

£7.921875 is therefore £7. 18s.  $5\frac{1}{4}$ d.

### WHOLE PENCE AS DECIMALS OF 1 SHILLING AND

#### WHOLE PENCE AS DECIMALS OF £1

MUST BE MEMORISED AS SOON AS POSSIBLE

## Note No. 8

### **PERCENTAGES (used in connection with Discounts)**

When a figure has a % sign after it, it means that it is a proportion of ONE HUNDRED i.e.  $25\% = 25/100$  or  $25 \div 100 = .25$ .

When calculating percentages, the percentage figure must be divided by 100 therefore the decimal pointer is moved 2 places to the left.

ALWAYS MENTALLY DIVIDE THE PER-CENT FIGURE BY 100 BEFORE COMMENCING AN OPERATION.

#### Rules of Simple Discounts

##### Actual Discount

£15. 4s. 6d. less  $2\frac{1}{2}\%$  = £15.225 x .025 = 7s. 7d. actual discount.

(Decimalise the actual discount rate =  $2.5 \div 100 = .025$  and multiply by given amount £15. 4s. 6d.).

Gross Amount	£15. 4s. 6d.
Actual Discount	7s. 7d.
Nett Amount	<u>£14. 16s. 1ld.</u>

Note To PROVE the Nett Amount, mentally deduct the discount rate percent from 100 = NETT percentage.

Multiply the gross amount by the nett percentage (97.5) = .975 = £14. 16s. 1ld.

The nett amount is the sum remaining when all deductions have been made.

##### To PROVE the Gross Amount (when Plus%)

Add the discount rate to 100% = gross percentage.

Multiply the monetary value by the gross percentage.

Example £264. 5s. 8d. plus  $12\frac{1}{2}\%$ .

Gross percentage =  $100 + 12.5 = 112.5 \div 100 = 1.125$

∴ £264.283 x 1.125 = £297. 6s.  $4\frac{1}{4}$ d. = GROSS amount.

£264. 5s. 8d.
+ $12\frac{1}{2}\%$
<u>£297. 6s. <math>4\frac{1}{4}</math>d.</u>

### Note No. 9

#### CHAIN DISCOUNTS AND INCREMENTS

Chain Discounts are a series of MINUS percentages subtracted from the original amount and chain increments a series of PLUS percentages to be added to the original amount.

These calculations can be made in one operation by strictly applying the Continued Multiplication Rules.

A "Minus" sign (Deduct it from 100%)

A "Plus" sign (Add it to 100%)

Always work the chain of discounts first then multiply by the money.

Example 1      £35. 0s. 0d. less 5% less 15% less  $2\frac{1}{2}\%$   
                        = .95 x .85 x .975  
                        = .7873125 x £35.  
                        = £27. 11s. 1d.

Example 2      £35. 0s. 0d. plus 5% plus 15% plus  $2\frac{1}{2}\%$   
                        = 1.05 x 1.15 x 1.025  
                        = 1.2376875 x £35.  
                        = £43. 6s.  $4\frac{1}{2}$ d.

Example 3      £35. 0s. 0d. less 5% plus 15% less  $2\frac{1}{2}\%$   
                        = .95 x 1.15 x .975  
                        = 1.0651875 x £35.  
                        = £37. 5s.  $7\frac{1}{2}$ d.

NOTE When "and" occurs in a chain discount, it indicates that the sign immediately preceding is to be repeated, e.g. less  $2\frac{1}{2}\%$  and 5% means less  $2\frac{1}{2}\%$  less 5%.

#### To Find Actual Amount of Discount

$$\text{£}135. 10s. 6d. - 10\% - 2\frac{1}{2}\%$$

$$= .90 \times .975 = .8775. \text{ Deduct this from } 1.00 = .1225.$$

$$\text{Multiply } \text{£}135.525 \times .1225 = \text{£}16. 12s. 0d. \text{ which equals Actual Discount.}$$

## Note No. 10

### CONSTANT FACTOR & SPLIT MULTIPLICATION

#### THE CONSTANT FACTOR "R" CONTROL

This control when positioned upwards can be used:-

- 1) When one factor of a series of multiplications is constant.

The "R" Control is used to retain the constant multiplier and it is essential to engage the "Multiplier Setting Control" between each calculation. Using the "Multiplier Setting Control" places the Constant Multiplier figures in their correct order for the next calculation.

#### Example

5324 @ 26/10½d each.

132 @ 26/10½d each.

4554 @ 26/10½d each.

1298 @ 26/10½d each.

57 @ 26/10½d each.

713 @ 26/10½d each.

- i) Using the Multiplier Setting Control "set" 26.875 into the "Multiplier Register".

- ii) Now position the "R" Control upwards.

- iii) 5324 is "held" and multiplication takes place.

Answer = £7154. 2s. 6d.

- iv) The "Multiplier Setting Control" is now engaged and released.

- v) The next quantity is "held" (132) and multiplication takes place.

Answer = £177. 7s. 6d.

Repeat steps iv and v until all quantities have been multiplied by the Constant price.

After the final multiplication clear both Working and Multiplier Registers and return the "R" Control to its downwards position.

- 2) When both factors contain many figures and therefore Split Multiplication is used. The first part of the second factor is "held" and multiplication takes place. The Multiplier Setting Control is engaged and released prior to the remaining part of the second factor being "held" and multiplied.

#### Example      $5993.148 \times 62.2/3$

- i) Using the Multiplier Setting Control "set" 5993.148 into the Multiplier Register.

- ii) Now position the "R" Control upwards.

- iii) 62.666 (say) is "held" and multiplication takes place.

- iv) The Multiplier Setting Control is now engaged and released.

- v) The remaining figures of the second factor (6666) are "held" in their correct positions on the keyboard and multiplication takes place.

Answer = 375570.6054

- vi) Clear both "Working and Multiplier Registers" and return the "R" Control to its downwards position.

## Note No. 11

### **EXTENSIONS**

An 'Extension' is the type of calculation involving a given number of articles at a given price, weight or measurement, to arrive at a total price, weight or measurement.

When extending bring the quantity to the same unit as the price 'per'.

The following notes give instructions for calculating various types of extensions:

#### Lbs. Ozs. and Drams

16 drams	=	1 ounce	
16 ounces	=	1 lb.	
256 drams	=	1 lb.	Reciprocal of 256 = .00390625
14 lbs.	=	1 stone.	Reciprocal of 14 = .0714285

#### Lbs. and Ozs. @ price per lb.

Add lbs. and ozs. as whole numbers and 16ths respectively into the Multiplier Register.

The price is "held" and multiplication takes place (when ozs. have fractions e.g.  $15\frac{1}{4}$  ozs. multiply ozs. by .0625)

#### Lbs. Ozs. and Drams at price per lb.

Add lbs. as whole numbers into Working Register.

Add ozs. as 16ths into Working Register.

Add drams as whole numbers into Multiplier Register at left-hand side of machine.

The reciprocal of 256 (.00390625) is "held" and multiplied by the drams.

Transfer lbs. and decimals to the Multiplier Register.

Clear Working Register.

The price is "held" and multiplication takes place.

#### Lbs. Ozs. and Drams at price per oz.

Convert lbs. to ozs. by multiplying by 16.

Add ozs. as whole numbers.

Transfer total ozs. to Multiplier Register and also add drams as 16ths.

Clear Working Register.

The price is "held" and multiplication takes place.

Note No. 11, continued

Lbs. ozs. and drams at price per dram.

Convert lbs. to drams by multiplying by 256.

Convert ozs. to drams by multiplying by 16.

Add drams as whole numbers and transfer result to the Multiplier Register.

Clear Working Register.

The price is "held" and multiplication takes place.

Troy and Apothecaries' Weight.

Decimalise ozs. to lbs. as pence to 1 shilling, as there are 12 ozs. to a pound in each case.

Add the lbs. and ozs. as whole numbers and decimals into the Multiplier Register.

The price is "held" and multiplication takes place.

**Yardage**

Yards, Feet and Inches.

12 inches = 1 foot.

3 feet = 1 yard.

36 inches = 1 yard. Reciprocal of 36 = .027

Yards, Feet and Inches @ Price per Yard.

Add yards as whole numbers into Working Register.

Add each foot as .33' into Working Register.

Add inches as whole numbers into Multiplier Register, at left-hand side of machine.

The reciprocal of 36 (.027') is "held" and multiplied by the inches.

Transfer yards and decimals into Multiplier Register.

Clear Working Register.

The price is "held" and multiplication takes place.

Yards, Feet and Inches @ Price per Foot.

Convert yards to feet by multiplying by 3. Add feet as whole numbers.

Transfer total feet to Multiplier Register and also add inches as 12ths.

Clear Working Register.

The price is "held" and multiplication takes place.

Note No.11, continued

Yards, Feet and Inches @ Price per Inch.

Convert yards to inches by multiplying by 36.

Convert feet to inches by multiplying by 12.

Add inches as whole numbers.

Transfer result to the Multiplier Register.

Clear Working Register.

The price is "held" and multiplication takes place.

**Liquid Measure**

4 gills = 1 pint

2 pints = 1 quart

4 quarts = 1 gallon

8 pints = 1 gallon

Gallons, Quarts and Pints @ Price per Gallon.

Treat gallons as whole numbers. Mentally multiply quarts by 2, add pints and decimalise as 8ths.

Add gallons and decimals into the Multiplier Register.

The price is "held" and multiplication takes place.

Gallons, Quarts and Pints @ Price per Quart.

Convert gallons to quarts by multiplying by 4, add in quarts and decimalise any pints as halves.

Add quarts and decimals into the Multiplier Register.

The price is "held" and multiplication takes place.

Gallons, Quarts and Pints @ Price per Pint.

Convert gallons to pints by multiplying by 8.

Convert quarts to pints by multiplying by 2.

Add pints as whole numbers and transfer result to the Multiplier Register.

Clear Working Register.

The price is "held" and multiplication takes place.

Gallons, Quarts and Pints @ Price per Gill.

Bring total quantity to pints (as in previous example) then multiply by 4 to bring to gills. Transfer the result to the Multiplier Register.

Clear Working Register.

The price is "held" and multiplication takes place.

Note No. 11, continued

**Price Basis Equivalent**

ld each = 1/- per dozen and vice versa.

1/- per cwt. = £1. per ton and vice versa.

1/- per quire = £1. per ream and vice versa.

Short cuts such as the above examples will often save considerable time when extending.

**Gross**

12 singles = 1 dozen

12 dozen = 1 gross

144 singles = 1 gross Reciprocal = .00694

12 gross = 1 great gross

Gross, Dozen and Singles @ price per gross.

Add gross as whole numbers into Working Register.

Add dozens as 12ths (pence to 1/-) into Working Register.

Add singles as whole numbers into Multiplier Register.

The reciprocal of 144 (.00694') is "held" and multiplied by the singles.

Transfer gross and decimals into the Multiplier Register.

Clear Working Register.

The price is "held" and multiplication takes place.

Gross, Dozen and Singles @ price per dozen.

Convert gross to dozens by multiplying by 12.

Add dozens as whole numbers.

Transfer dozens into Multiplier Register and also add the singles as 12ths.

Clear Working Register.

The price is "held" and multiplication takes place.

Gross, Dozen and Singles @ price per single.

Convert gross to singles by multiplying by 144.

Convert dozens to singles by multiplying by 12.

Add singles as whole numbers and transfer the result into the Multiplier Register.

Clear Working Register.

The price is "held" and multiplication takes place.

### Note No.11, continued

#### **Work priced per Hundred and Thousand**

C or % is an abbreviation for price per hundred.

M or o/oo or mille is an abbreviation for price per thousand.

Mentally divide the quantity by 100 or 1,000 before commencing to multiply.

i.e. (two places to left to divide by 100)

(three places to left to divide by 1,000)

Then make a simple multiplication, quantity by rate.

NOTE Weights are sometimes priced per C or CM meaning price per cwt.

#### **Tonnage Extensions**

##### Tons cwts. qrs. and lbs. @ price per ton.

Add tons as whole numbers into Working Register.

Add cwts. decimalised, as 20ths (shillings to £1) into Working Register.

Add qrs. decimalised as:

1 qr.	=	.0125
2 qrs.	=	.025
3 qrs.	=	.0375

into Working Register.

Add lbs. as whole numbers into Multiplier Register at left hand side of machine.

The reciprocal of 2240 (.000446428) is "held" and multiplied by the lbs.

Transfer tons and decimals into the Multiplier Register.

Clear Working Register.

The price is "held" and multiplication takes place.

##### Tons cwts. qrs. and lbs. @ price per cwt.

Add tons (multiplied by 20) and cwts. as whole numbers into Working Register.

Add qrs. decimalised as:

1 qr.	=	.25
2 qrs.	=	.5
3 qrs.	=	.75

into Working Register.

Add lbs. as whole numbers into Multiplier Register.

The reciprocal of 112 (.008928571) is "held" and multiplied by the lbs.

Transfer cwts. and decimals into the Multiplier Register.

Clear Working Register.

The price is "held" and multiplication takes place.



Note No. 12

**ADDITIONS OF DEBITS AND CREDITS**

To add a column of figures containing both Debit and Credit Items. Normally Debit figures are shown in BLACK and Credit figures in RED. In the following examples Credit figures are shown with "Cr" against them.

Example 1

	£.	s.	d.
26.	2.	6.	
18.	1.	9.	
10.	17.	8.	
19.	2.	6.	Cr.
23.	17.	9.	Cr.

- 1) First add the Debit figures £26. 2s. 6d.  
                                  18. 1s. 9d.  
                                  10. 17s. 8d. and  
                                  transfer "+" to the Storage Register (£55. 1s. 11d.).
- 2) Add "Cr" figures £19. 2s. 6d.  
                                  23. 17s. 9d. and  
                                  transfer "-" to the Storage Register.
- 3) The net total (Debit) now appears in the Storage Register.

£12. 1s. 8d.

Example 2

	£.	s.	d.
18.	1.	9.	
16.	12.	8.	
22.	15.	9.	Cr.
14.	3.	10.	
39.	16.	3.	Cr.

- 1) First add the Debit figures £18. 1s. 9d.  
                                  16. 12s. 8d.  
                                  14. 3s. 10d. and  
                                  transfer "+" to the Storage Register (£48. 18s. 3d.).
- 2) Add "Cr" figures £22. 15s. 9d.  
                                  39. 16s. 3d. and  
                                  transfer "-" to the Storage Register.

The figures now appearing in the Storage Register read £9,999,999,986.6.3d.

The columns of 9's indicate a Credit Balance. In order to arrive at a true Credit Balance the following rules must be observed.

- 3) Add the figures in the Storage Register into the Working Register as follows:-

Add £86. 6s. 3d. into the Working Register and depress the subtraction selector immediately to the left of the "8" when all "9's" appear to the left of the "8".

- 4) Engage the Multiplier Setting Control and hold it in its "engaged" position. Now operate the Transfer Control "-" TWICE.

- 5) After the first transfer "-" the Storage Register should zeroise. After the second transfer "-" the true Credit Balance is now showing in the Storage Register £13. 13s. 9d.

Note No.12, continued

6) To zeroise both Working and Storage Registers use the Transfer Control "+" ONCE.

NOTE (of (1) and (2))

Care must be taken if the result in the Storage Register contains an "0" such as £9,999,999,909.17s.6d. In this case you would add £9.17s.6d. into the Working Register, but move one place to the left for the "0" before depressing the Subtraction Selector immediately to the left of the "0".

Clear Working Register.

The pointer is cleared and multiplication continues.

... .00 .00 .000 brought right out the result (1.  
.00 .00 .00

... .00 .00 .000

(.00 .00 .000) released because out of "+" selection

... .00 .00 .000 brought "0" RRA (2.

brought .00 .00 .000

... .00 .00 .000 brought selector out of "-" selection

... .00 .00 .000 brought .00 .00 .000 right out (3.

... .00 .00 .000

... .00 .00 .000

... .00 .00 .000

... .00 .00 .000

... .00 .00 .000

... .00 .00 .000

... .00 .00 .000

... .00 .00 .000

... .00 .00 .000

... .00 .00 .000

... .00 .00 .000

... .00 .00 .000

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... .00 .00 .000

... .00 .00 .000

Note No. 13

**TABLES**

AVOIRDUPois WEIGHT

16 drams	= 1 oz.	144 square inches	= 1 square ft.
16 ozs.	= 1 lb.	9 square feet	= 1 square yd.
14 lbs.	= 1 stone	4840 square yards	= 1 acre
28 lbs.	= 1 quarter	640 acres	= 1 square ml.
4 qrs. or 112 lbs.	= 1 cwt.	100 square feet	= 1 square of flooring
20 cwt. or 2240 lbs.	= 1 ton.	272 $\frac{1}{4}$ square feet	= 1 rod of brickwork

TROY WEIGHT

24 grains	= 1 pennyweight	<u>CUBIC MEASURE</u>
20 pennyweights	= 1 ounce (tr)	1728 cubic inches
12 ounces	= 1 pound (tr)	27 cubic feet
		40 cubic feet
		(shipping capacity not weight)
		50 cubic feet

APOTHECARIES WEIGHT

20 grains	= 1 scruple
3 scruples	= 1 drachm
8 drachms	= 1 oz. (tr)
12 ounces	= 1 pound (tr)

LIQUID MEASURE

4 gills	= 1 pint
2 pints	= 1 quart
4 quarts	= 1 gallon
8 pints	= 1 gallon

GROSS

12 singles	= 1 dozen
12 dozen	= 1 gross
144 singles	= 1 gross
12 gross	= 1 great gross

LINEAL MEASURE

12 inches	= 1 foot
3 feet	= 1 yard
5 $\frac{1}{2}$ yards	= 1 rod, pole or perch
40 poles	= 1 furlong
8 furlongs	= 1 mile
1760 yards	= 1 mile
5280 feet	= 1 mile

SQUARE MEASURE

144 square inches	= 1 square ft.
9 square feet	= 1 square yd.
4840 square yards	= 1 acre
640 acres	= 1 square ml.
100 square feet	= 1 square of flooring
272 $\frac{1}{4}$ square feet	= 1 rod of brickwork

CUBIC MEASURE

1728 cubic inches	= 1 cubic ft.
27 cubic feet	= 1 cubic yd.
40 cubic feet	= 1 ton.
	(shipping capacity not weight)
50 cubic feet	= 1 load.

STANDARD QUANTITY (TIMBER)

30 deals	= 1 quarter
4 quarters	= 1 standard
120 deals	= 1 standard
165 cubic ft.	= 1 standard
23760 board ft.	= 1 standard

PAPER

480's ream	
24 sheets	= 1 quire
20 quires	= 1 ream
480 sheets	= 1 ream

500's ream

25 sheets	= 1 quire
20 quires	= 1 ream
500 sheets	= 1 ream

520's ream

26 sheets	= 1 quire
20 quires	= 1 ream
520 sheets	= 1 ream

**Note No. 14**

## SPECIAL USES OF THE MULTIPLIER SETTING CONTROL IN A STORAGE REGISTER MODEL

By pushing the Multiplier Setting Control forward and holding in the engaged position it is possible to:-

- a) Clear the Storage Register without clearing the Working Register.
  - b) Add the figures from the Working Register into the Storage Register and STILL RETAIN the figures in the Working Register.
  - c) Subtract from the Storage Register the figures appearing in the Working Register and STILL RETAIN the figures in the Working Register.

### Note No. 15

#### FOREIGN CONVERSION

When converting foreign currencies it is for the Operator to decide by applying common sense whether Multiplication or Reciprocal Multiplication has to be applied.

NOTE One point to remember is that if the amount to be converted and the rate of exchange are the same currency you use RECIPROCAL MULTIPLICATION. If they differ you MULTIPLY.

Example 1      \$384.56 to £'s @ \$2.79

As there are 2.79 dollars to £1 there will be fewer £'s than there are dollars therefore:-

Add the reciprocal for 279 into the Multiplier Register.  
Move the decimal pointer TWO places to the right.  
384.56 is "held" and multiplication takes place.

Answer = £137. 16s. 8d.

Example 2      £368. 10s. 6d. to \$'s @ \$2.79

As there are 2.79 dollars to £1 there will be more dollars than there are £'s therefore:-

Add £368.525 into Multiplier Register.  
2.79 is "held" and multiplication takes place.

Answer = \$1028.18

Example 3      £75. 15s. Od. to \$'s @ 7/6d. (one dollar being worth 7/6d).

You must find how many times 7/6d is contained in £75. 15s. Od. therefore:-

Decimalise 7/6d to £1 = .375

Add the reciprocal of 375 into Multiplier Register.  
Move the decimal pointer THREE places to the right.  
75.75 is "held" and multiplication takes place.

Answer = \$202.00

#### Pakistani Currency

12 Pies = 1 Anna

16 Annas = 1 Rupee

192 Pies = 1 Rupee Reciprocal of 192 = .0052083\*

Add Rupees and Annas as whole numbers and 16th's into Working Register.

Add Pies as whole numbers into Multiplier Register.

The reciprocal of 192 (.0052083\*) is "held", correctly in relation to the decimal pointer in the Working Register, and multiplication takes place.

## Note No. 16

### **TIMBER TRADE**

Reciprocal of 12 = .083  
" " 144 = .00694  
" " 1728 = .000578704

Reciprocal of 4 = .25  
" " 120 = .0083  
" " 165 = .00606  
" " 23760 = .0000420875

#### **Lineal Measure**

##### Feet @ price per Foot run or per Lineal Foot

Add feet into the Multiplier Register.

The price is "held" and multiplication takes place.

#### **Square Measure**

##### Feet x Feet @ price per Square Foot

Add feet of length into the Multiplier Register.

Feet of width are "held" and multiplication takes place.

Transfer square feet to the Multiplier Register.

Clear Working Register.

The price is "held" and multiplication takes place.

##### Timber @ price per super Foot as 1 inch

Extend as for price per square foot. Then if the inch measurement is other than 1 inch:-

Transfer total value to the Multiplier Register.

Clear Working Register.

The inch measurement is "held" and multiplication takes place.

##### Feet x Feet @ price per Square

Extend as for price per square foot.

Divide the answer now in the Working Register by 100, by moving the decimal pointer TWO places to the left.

Note No. 16, continued

To find the total Foot run in a square of Timber

In this type of calculation you are usually given a measurement of width in inches. Let us assume that a square of timber is 10 feet wide by 10 feet long.

Add the RECIPROCAL of the width in inches into the Multiplier Register. The width of the square in INCHES (120) is "held" and multiplication takes place.

This answer equals the number of pieces of timber of a given width in a piece of timber 10 feet wide.

Now multiply this answer by the length of the square, i.e. 10 feet, therefore 10, and you will have the total foot run.

Cubic Measure

Feet x Feet x Feet @ price per Cubic Foot

Add feet of length into the Multiplier Register.

Feet of width are "held" and multiplication takes place.

Transfer square feet to the Multiplier Register.

Clear Working Register.

Feet of depth are "held" and multiplication takes place.

Transfer cubic feet to the Multiplier Register.

Clear Working Register.

The price is "held" and multiplication takes place.

Cubic Feet, Inches and Parts @ price per Cubic Foot

Add feet and inches (as whole numbers and 12ths) into the Working Register.

Add parts into the Multiplier Register.

The reciprocal of parts to 1 cubic foot (.00694) is "held" and multiplication takes place.

Transfer cubic feet and decimals into the Multiplier Register.

Clear Working Register.

The price is "held" and multiplication takes place.

To calculate Cubic Feet, Inches and Parts

Whole numbers = cubic feet.

Transfer decimal figures only into the Multiplier Register.

Clear Working Register.

12 (inches to feet - cubic -) is "held" and multiplication takes place.

Whole numbers = inches.

Decimal figures are read as 12ths (i.e. pence to 1/-) and will give the number of parts.

Note No. 16, continued

Cubic Feet per Standard

Add cubic feet into the Multiplier Register.

The price is "held" and multiplication takes place.

Transfer the answer to the Multiplier Register.

Clear Working Register.

The reciprocal of 165 (.00606) is "held" and multiplication takes place.

**Standards of Timber**

Standard quantity @ price per Standard

Accumulate running feet by number of pieces.

Transfer total running feet to the Multiplier Register.

Clear Working Register.

Width measurement (in inches) is "held" and multiplication takes place.

Transfer the answer to the Multiplier Register.

Clear Working Register.

Thickness measurement (in inches) is "held" and multiplication takes place.

Transfer board feet to the Multiplier Register.

The reciprocal of 23760 (.0000420875) is "held" and multiplication takes place.

Transfer standards and decimals to the Multiplier Register and then to the Storage Register.

The price is "held" and multiplication takes place.

To convert Standards and Decimals to Standards, Quarters and Deals

Standards and decimals will be shown in the Storage Register.

Clear Working Register.

Deduct standards and quarters as whole numbers and decimals (each quarter = .25). Note the answer.

Transfer remaining decimals in Storage Register to the Multiplier Register.

120 (deals to 1 standard) is "held" and multiplication takes place.

Whole numbers = deals.

Decimal figures are read as 12ths (i.e. pence to 1/-).

## Note No. 16, continued

### To bring Standards, Quarters and Deals to Whole Numbers and Decimals

Add standards and quarters as whole numbers and decimals ( $\frac{1}{4}$ 's) into Working Register.

Add deals and 12ths as whole numbers and decimals into Multiplier Register.

The reciprocal of 120 (.0083<sup>..</sup>) is "held" and multiplication takes place.

### To find the number of running feet in a Standard of Timber of given width and thickness

Multiply the measurement of thickness and width in inches.

Add the answer as a RECIPROCAL into the Multiplier Register.

23760 is "held" and multiplication takes place.

### Areas and cost of cases

Accumulate, length by breadth

length by depth

breadth by depth

Multiply the result by 2.

Transfer the total areas to the Multiplier Register.

Clear Working Register.

The price is "held" and multiplication takes place.

### Example - Areas of cases

Add areas as follows: length by breadth, length by "held" as being self.

Add total areas plus length by thickness, added because both thickness

and thickness of course make two thicknesses. Resulted price is held

as well as thickness times "held" for length of case multiplied together, and

thickness times "held" for breadth of case multiplied together, and

breadth times "held" for height of case multiplied together, and

height times "held" for depth of case multiplied together, and

depth times "held" for thickness of case multiplied together, and

thickness times "held" for length of case multiplied together, and

length times "held" for breadth of case multiplied together, and

breadth times "held" for height of case multiplied together, and

height times "held" for depth of case multiplied together, and

depth times "held" for thickness of case multiplied together, and

Note No. 17

**ENGINEERING CALCULATIONS**

Reciprocal of 112 = .008928571

" " 2240 = .000446429

These calculations deal with metals, the quantities being given by measurement and the price by weight.

lbs. per Foot run @ price per Cwt

Multiply feet by lbs per foot.

Transfer answer to the Multiplier Register.

Clear Working Register.

The price is "held" and multiplication takes place.

Transfer the answer to the Multiplier Register.

Clear Working Register.

The reciprocal of 112 (.008928571) is "held" and multiplication takes place.

lbs. per Square Foot @ price per Ton

Multiply feet by feet.

Transfer square feet to the Multiplier Register.

Clear Working Register.

The lbs per square foot are "held" and multiplication takes place.

Transfer the answer to the Multiplier Register.

Clear Working Register.

The price is "held" and multiplication takes place.

Transfer the answer to the Multiplier Register.

Clear Working Register.

The reciprocal of 2240 (.000446429) is "held" and multiplication takes place.

lbs. per Cubic Foot @ price per lb

Multiply feet by feet by feet.

Transfer cubic feet to the Multiplier Register.

Clear Working Register.

The lbs per cubic foot are "held" and multiplication takes place.

Transfer the answer to the Multiplier Register.

Clear Working Register.

The price is "held" and multiplication takes place.

Note No. 18

**PAPER**

Reciprocal of 500 = .002

" " 520 = .001923077

Reams, Quires and Sheets @ price per Ream

Example 1 (Reams of 480 sheets)

Add reams as whole numbers into the Multiplier Register.

Add quires as 20ths into the Multiplier Register.

Sheets are halved and decimalised as pence to £1 and added into the Multiplier Register.

The price is "held" and multiplication takes place.

Example 2 (Reams of 500 sheets)

Add reams as whole numbers into the Working Register.

Add quires as 20ths into the Working Register.

Add the number of sheets into the Multiplier Register.

The reciprocal of 500 (.002) is "held" and multiplication takes place.

Transfer reams and decimals to the Multiplier Register.

Clear Working Register.

The price is "held" and multiplication takes place.

Example 3 (Reams of 520 sheets)

Add reams as whole numbers into the Working Register.

Add quires as 20ths into the Working Register.

Add the number of sheets into the Multiplier Register.

The reciprocal of 520 (.001923077) is "held" and multiplication takes place.

Transfer reams and decimals to the Multiplier Register.

Clear Working Register.

The price is "held" and multiplication takes place.

Note No.18, continued

Reams, Quires and Sheets @ price per Quire

Extend exactly as for price per ream but when reading the answer treat as £'s and decimals and not shillings and decimals.

Reams, Quires and Sheets @ price per Sheet

Convert reams and quires (as whole numbers and 20ths) to sheets by multiplying by 480, 500 or 520.

Add odd sheets.

Transfer total number of sheets to the Multiplier Register.

Clear Working Register.

The price is "held" and multiplication takes place.

## Note No. 21

### **WAGES**

#### Hours @ Rate per Hour - Rate in Shillings and Pence and Decimals

Mentally divide the hours by 12 and add the result as whole numbers and decimals into the Multiplier Register.

The rate in pence is "held" and multiplication takes place.

#### Hours and Minutes @ Rate per Hour

Add hours as whole numbers into the Working Register.

Add minutes into the Multiplier Register.

The reciprocal of 60 (.016) is "held" and multiplication takes place.

Transfer the result to the Multiplier Register.

Clear Working Register.

The rate per hour is "held" and multiplication takes place.

#### Hours @ Rate per Hour plus Overtime

Add basic hours worked into the Working Register and with them accumulate the overtime hours in this way:-

Add the rate of overtime i.e. 1.25, 1.5, etc., etc., into the Multiplier Register.

The number of hours, at each overtime rate, is "held" and multiplication takes place.

Transfer total hours to the Multiplier Register.

Clear Working Register.

The rate per hour is "held" and multiplication takes place.

Note No. 22

**GROUP OR GANG BONUS**

Bonus of Money

Extend the hours worked by the rates to find each man's wage, accumulating the answers to give the total wages. Check this total.

Divide the bonus by the total wages.

Transfer the answer - the "constant" multiplier - to the Multiplier Register.

Clear Working Register.

Push up the "R" control.

Use this "constant" to multiply by each of the wages in turn, accumulating the answers in the Storage Register. The total should, of course, agree with the total or "group" bonus.

Bonus of Hours

When the time taken for a certain job is less than the time allowed the difference will be the bonus time.

Divide the bonus hours by the hours actually worked to find the bonus time awarded for 1 hours work.

Transfer the answer - the "constant" multiplier - to the Multiplier Register.

Clear Working Register.

Set in its upward position the Constant Factor "R" Control.

Use this "constant" to multiply the hours worked by each man to find the bonus hours due for each man. Accumulate the bonus hours in the Storage Register.

Return the "R" control to its downwards position.

Clear Storage Register.

Add the bonus hours per man into the Multiplier Register.

Multiply the bonus hours per man by the rate per hour accumulating the answers in the Storage Register.

## Note No. 26

### **PRO-RATING AND PROPORTIONING PERCENTAGES**

#### Pro-Rating

Total the items over which the amount is to be pro-rated.

Check this total.

Divide into the amount to be pro-rated.

Transfer the answer - the "constant" multiplier - to the Multiplier Register.

Clear Working Register.

Set in its upward position the Constant Factor "R" Control.

Use this "constant" to multiply by each of the items transferring the answers to the Storage Register. The total should agree with the amount to be pro-rated.

#### Proportioning Percentages

Total the items which are to be divided into 100%.

Check this total.

Divide into 100%.

Transfer the answer - the "constant" multiplier - to the Multiplier Register.

Set in its upward position the Constant Factor "R" Control.

Use this "constant" to multiply by each of the items transferring the answers to the Storage Register. The total should come to 100%.

Note No. 28

**SQUARE MEASURE**

Reciprocal of 9 = .1<sup>°</sup>

144 = .00694<sup>°</sup>

Squaring

Multiply, inches by inches,  
feet by feet,  
yards by yards.

To bring square feet and decimals to square feet and square inches

Whole numbers are square feet.

Transfer decimal figures into the Multiplier Register.

Clear Working Register.

144 is "held" and multiplication takes place.

To bring square yards and decimals to square yards and square feet

Whole numbers are square yards.

Transfer decimal figures to the Multiplier Register.

Clear Working Register.

9 is "held" and multiplication takes place.

To bring square inches to square feet

Add square inches into the Multiplier Register.

The reciprocal of 144 (.00694<sup>°</sup>) is "held" and multiplication takes place.

To bring square feet to square yards

Add square feet into the Multiplier Register.

The reciprocal of 9 (.1<sup>°</sup>) is "held" and multiplication takes place.

Costing

Multiply inches by inches, feet by feet or yards by yards.

Transfer square inches, square feet or square yards to the Multiplier Register.

Clear Working Register.

The price is "held" and multiplication takes place.

## Note No. 29

### CUBIC MEASURE

Reciprocal of 27 = .037  
" " 1728 = .000578704

#### Cubing

Multiply, inches by inches by inches,  
feet by feet by feet,  
yards by yards by yards.

#### To bring cubic feet and decimals to cubic feet and cubic inches

Whole numbers are cubic feet.

Transfer decimal figures into the Multiplier Register.

Clear Working Register.

1728 is "held" and multiplication takes place.

#### To bring cubic yards and decimals to cubic yards and cubic feet

Whole numbers are cubic yards.

Transfer decimal figures into the Multiplier Register.

Clear Working Register.

27 is "held" and multiplication takes place.

#### To bring cubic inches to cubic feet

Add cubic inches into the Multiplier Register.

The reciprocal of 1728 (.000578704) is "held" and multiplication takes place.

#### To bring cubic feet to cubic yards

Add cubic feet into the Multiplier Register.

The reciprocal of 27 (.037) is "held" and multiplication takes place.

Note No. 29, continued

Costing

Multiply inches by inches, feet by feet, or yards by yards.

Transfer square inches, square feet or square yards to the Multiplier Register.

Clear Working Register.

Multiply square inches, square feet or square yards by third measurement of inches, feet or yards.

Transfer cubic inches, cubic feet or cubic yards to the Multiplier Register.

Clear Working Register.

The price is "held" and multiplication takes place.

18.00 each

**Note No. 30**

**CLASS**

Squaring

Multiply feet by feet.

Answer equals square feet and decimals.

To bring square feet and decimals to square feet, inches and parts

Whole numbers are square feet.

Transfer decimal figures to the Multiplier Register.

12 is "held" and multiplication takes place.

Whole numbers are inches and decimals are parts (12ths).

Costing

Price per square foot

If the parts are 6 or more then treat as another whole inch; parts under 6 are ignored.

Add feet and inches (12ths) into the Multiplier Register.

The price is "held" and multiplication takes place.

Add number of q's to Working Register.

Accumulate price per unit in Working Register.

Transfer price to the Multiplier Register.

Clear Working Register.

The price is "held" and multiplication takes place.

### Note No. 31

#### PENCE DECIMALS

Reciprocal of 12 = .083\*

" 240 = .00416\*

##### Multiplication of Decimals of Pence when £'s are the Whole Numbers

Add £'s and shillings (as 20th's) into the Working Register.

Add pence and decimals into the Multiplier Register.

The reciprocal of 240 (.00416\*) is "held" and multiplication takes place.

Transfer £'s and decimals to the Multiplier Register.

Clear Working Register.

The quantity is "held" and multiplication takes place.

##### Multiplication of Decimals of Pence when shillings are the Whole Numbers

Add shillings as whole numbers into the Working Register.

Add pence and decimals into the Multiplier Register.

The reciprocal of 12 (.083\*) is "held" and multiplication takes place.

Transfer shillings and decimals to the Multiplier Register.

Clear Working Register.

The quantity is "held" and multiplication takes place.

### Note No. 32

#### TEXTILE TRADE

Calculations to ascertain the weight of cotton thread

Beams, ends, yards, counts

Multiply Beams by the Ends.

Transfer the answer to the Multiplier Register.

Clear Working Register.

Yards are "held" and multiplication takes place.

Transfer the answer to the Multiplier Register.

Clear Working Register.

From the "counts" chart find the reciprocal of the counts which is "held" and multiplication takes place.

Answer equals lbs. and decimals.

Transfer decimals to the Multiplier Register.

Clear Working Register.

16 is "held" and multiplication takes place. Answer equals oz. and decimals.

Textile Invoices Three answers are required:-

- a) Number of pieces,
- b) Total yards,
- c) Total value.

Add number of pieces. Note Answer.

Accumulate pieces by yards. Note Answer.

Transfer yards to the Multiplier Register.

Clear Working Register.

The price is "held" and multiplication takes place.

Note No. 32, continued

Grammes per Square Metre

Kilos to grammes. Multiply by 1000.

lbs. to " " by 453.59243.

To find the weight in grammes per square metre

Weight given in grammes or kilograms

Multiply grammes by decimal for number of inches (Cloth Metric Conversion Chart).

Transfer answer to the Multiplier Register.

Clear Working Register.

The RECIPROCAL of the length, in yards, is "held" and multiplication takes place.

Weight given in lbs.

Multiply lbs. by 453.59243.

Transfer answer to the Multiplier Register.

Clear Working Register.

The decimal for the width, in inches, (from chart) is "held" and multiplication takes place.

Transfer answer to the Multiplier Register.

Clear Working Register.

The RECIPROCAL of the length, in yards, is "held" and multiplication takes place.

Note No. 33

**NEGATIVE MULTIPLICATION**

Multiply the first two factors together.

Transfer "+" to the Storage Register.

Multiply the second two factors together.

Transfer "-" to the Storage Register.

The figure needed in the negative multiplication is obtained by adding the figures of the positive multiplication and subtracting the number of digits in the negative factor from the sum.

Transfer the answer to the Negative Register.

Clear Working Register.

The difference of the number of digits in the "first" and multiplying factors, if greater than zero, is added to the sum.

Transfer the answer to the Negative Register.

Clear Working Register.

The figure needed in the negative multiplication is obtained by adding the figures of the positive multiplication and subtracting the number of digits in the negative factor from the sum.

Transfer the answer to the Negative Register.

Clear Working Register.

The figure needed in the negative multiplication is obtained by adding the figures of the positive multiplication and subtracting the number of digits in the negative factor from the sum.

Transfer the answer to the Negative Register.

Clear Working Register.

Note No. 34

~~NOTES ON~~ SIMPLE INTEREST

~~GENERAL USE~~ WORKING REGISTER

Multiply Principal by the number of years.

Transfer the answer to the Multiplier Register.

Clear Working Register.

The rate, decimalised, is "held" and multiplication takes place.

Conversion Register.

Transfer answer to the Multiplier Register.

Clear Multiplier Register.

The WORKING Register is used to store the "held" and multiplication below rates.

Set Multiplier Register.

Multiply the. by 100000.

Transfer answer to the Multiplier Register.

Clear Multiplier Register.

The decimal for the multiplier is seen. If one digit is present, multiply one extra zero on the right.

Transfer answer to the Multiplier Register.

Clear Working Register.

B. WORKING or no losses, no gains, i.e. "held" and multiplication are done direct.

### Note No. 35

#### **COMPOUND INTEREST**

First ascertain and note how the years are to be built up and if any result is needed again it should be written down as soon as it is calculated.

Example    fx (Principal) for 12 years @ 5%.

The "build-up" to be noted will be:-

2

4 - write down this answer

8

12

Add 1.05 into the Multiplier Register.

1.05 is "held" and multiplication takes place.

Transfer the answer to the Multiplier Register.

Clear Working Register.

The figures in the Multiplier Register are "held" and multiplication takes place.

NOTE THIS DECIMAL = 1.21550625.

Transfer the answer to the Multiplier Register.

Clear Working Register.

The figures in the Multiplier Register are "held" and multiplication takes place.

Transfer the answer to the Multiplier Register.

Clear Working Register.

The figure noted - 1.21550625 - is "held" and multiplication takes place.

Transfer the answer to the Multiplier Register.

Clear Working Register.

The Principal is "held" and multiplication takes place.

**Note No. 35, continued**

When fractional parts of a year are included

Calculate the whole years and transfer the answer to the Storage Register.

Add the decimal for the part of the year into the Multiplier Register.

The rate decimalised is "held" and multiplication takes place.  
(NOTE. 5% will be held as .05).

Add 1 (for £1) and the answer in the Working Register into the Multiplier Register.

Clear Working Register.

The answer in the Storage Register is "held" and multiplication takes place.

Transfer the answer to the Multiplier Register.

Clear Working Register.

The Principal is "held" and multiplication takes place.

Note No. 36

**COST & SELLING PRICES**

To find the Cost Price when Selling Price and percentage profit are given

$$\text{Selling Price} = 100\%$$

$$\text{Profit is say} \quad 21\%$$

$$\therefore \text{Cost Price is} \quad \underline{\underline{79\%}}$$

Add the Selling Price into the Multiplier Register.

.79 is "held" and multiplication takes place.

Answer equals the Cost Price.

To find the Selling Price when Cost Price and desired percentage of profit are given

$$\text{Selling Price} = 100\%$$

$$\text{Required Profit is say} \quad 21\%$$

$$\therefore \text{Cost Price will be} \quad \underline{\underline{79\%}}$$

Add the Cost Price into the Multiplier Register.

The RECIPROCAL of .79 is "held" and multiplication takes place.

To find the Selling Price when Cost Price, desired percentage of profit and overheads are given

$$\text{Selling Price} = 100\%$$

$$\text{Required Profit is say } 25\%$$

$$\text{Overheads, say } 12\frac{1}{2}\% \quad 37\frac{1}{2}\%$$

$$\therefore \text{Cost Price will be} \quad \underline{\underline{62\frac{1}{2}\%}}$$

Add the Cost Price into the Multiplier Register.

The RECIPROCAL of .625 is "held" and multiplication takes place.

Note No. 36, continued

List Pricing

Cost Price	100%
Desired Profit	15%
Trade Discount	5%

1.  $100\% - 15\% = 85\%$ .

Add the RECIPROCAL of .85 into the Multiplier Register.

The Cost Price is "held" and multiplication takes place.

2.  $100\% - 5\% = 95\%$ .

Add the answer to step 1 into the Multiplier Register.

The RECIPROCAL of .95 is "held" and multiplication takes place.

Step 1: The answer between the cost price and profit is .85. To ADDITIVE and MULTIPLY.

Step 2: The answer between the cost price and trade discount is .95. To ADDITIVE and MULTIPLY.

Step 3: The answer between the cost price and desired profit is .85. To ADDITIVE and MULTIPLY.

Step 4: The answer between the cost price and desired profit is .95. To ADDITIVE and MULTIPLY.

Step 5: The answer between the cost price and desired profit is .85. To ADDITIVE and MULTIPLY.

Step 6: The answer between the cost price and desired profit is .95. To ADDITIVE and MULTIPLY.

**RECIPROCAL TABLES**



## RECIPROCAL TABLES 1-10,000

1		51	.019 607 843	101	.009 900 99	151	.006 622 517
2	.5	52	.019 230 769	102	.009 803 922	152	.006 578 947
3	.333 333 333	53	.018 867 924	103	.009 708 738	153	.006 535 948
4	.25	54	.018 518 518	104	.009 615 385	154	.006 493 506
5	.2	55	.018 181 818	105	.009 523 81	155	.006 451 613
6	.166 666 667	56	.017 857 143	106	.009 433 962	156	.006 410 256
7	.142 857 143	57	.017 543 86	107	.009 345 794	157	.006 369 427
8	.125	58	.017 241 379	108	.009 259 259	158	.006 329 114
9	.111 111 111	59	.016 949 153	109	.009 174 312	159	.006 289 308
10	.1	60	.016 666 667	110	.009 090 909	160	.006 25
11	.090 909 091	61	.016 393 443	111	.009 009 009	161	.006 211 18
12	.083 333 333	62	.016 129 032	112	.008 928 571	162	.006 172 839
13	.076 923 077	63	.015 873 016	113	.008 849 557	163	.006 134 969
14	.071 428 571	64	.015 625	114	.008 771 93	164	.006 097 561
15	.066 666 667	65	.015 384 615	115	.008 695 652	165	.006 060 606
16	.062 5	66	.015 151 515	116	.008 620 69	166	.006 024 096
17	.058 823 529	67	.014 925 373	117	.008 547 009	167	.005 988 024
18	.055 555 556	68	.014 705 882	118	.008 474 576	168	.005 952 381
19	.052 631 579	69	.014 492 754	119	.008 403 361	169	.005 917 16
20	.05	70	.014 285 714	120	.008 333 333	170	.005 882 353
21	.047 619 047	71	.014 084 507	121	.008 264 463	171	.005 847 953
22	.045 454 545	72	.013 888 889	122	.008 196 721	172	.005 813 953
23	.043 478 261	73	.013 698 63	123	.008 130 081	173	.005 780 347
24	.041 666 667	74	.013 513 513	124	.008 064 516	174	.005 747 126
25	.04	75	.013 333 333	125	.008	175	.005 714 286
26	.038 461 538	76	.013 157 895	126	.007 936 508	176	.005 681 818
27	.037 037 037	77	.012 987 013	127	.007 874 016	177	.005 649 718
28	.035 714 286	78	.012 820 513	128	.007 812 5	178	.005 617 978
29	.034 482 759	79	.012 658 228	129	.007 751 938	179	.005 586 592
30	.033 333 333	80	.012 5	130	.007 692 308	180	.005 555 556
31	.032 258 064	81	.012 345 679	131	.007 633 588	181	.005 524 862
32	.031 25	82	.012 195 122	132	.007 575 758	182	.005 494 505
33	.030 303 03	83	.012 048 193	133	.007 518 797	183	.005 464 481
34	.029 411 765	84	.011 904 762	134	.007 462 687	184	.005 434 783
35	.028 571 429	85	.011 764 706	135	.007 407 407	185	.005 405 405
36	.027 777 778	86	.011 627 907	136	.007 352 941	186	.005 376 344
37	.027 027 027	87	.011 494 253	137	.007 299 27	187	.005 347 594
38	.026 315 789	88	.011 363 636	138	.007 246 377	188	.005 319 149
39	.025 641 026	89	.011 235 955	139	.007 194 245	189	.005 291 005
40	.025	90	.011 111 111	140	.007 142 857	190	.005 263 158
41	.024 390 244	91	.010 989 011	141	.007 092 199	191	.005 235 602
42	.023 809 524	92	.010 869 565	142	.007 042 253	192	.005 208 333
43	.023 255 814	93	.010 752 688	143	.006 993 007	193	.005 181 347
44	.022 727 273	94	.010 638 298	144	.006 944 444	194	.005 154 639
45	.022 222 222	95	.010 526 316	145	.006 896 552	195	.005 128 205
46	.021 739 13	96	.010 416 667	146	.006 849 315	196	.005 102 041
47	.021 276 596	97	.010 309 278	147	.006 802 721	197	.005 076 142
48	.020 833 333	98	.010 204 082	148	.006 756 757	198	.005 050 505
49	.020 408 163	99	.010 101 01	149	.006 711 109	199	.005 025 126
50	.02	100	.01	150	.006 666 667	200	.005

201	.004 975 124	251	.003 984 064	301	.003 322 259	351	.002 849 003
202	.004 950 495	252	.003 968 254	302	.003 311 256	352	.002 840 909
203	.004 926 108	253	.003 952 569	303	.003 300 33	353	.002 832 861
204	.004 901 961	254	.003 937 008	304	.003 289 474	354	.002 824 859
205	.004 878 049	255	.003 921 569	305	.003 278 689	355	.002 816 901
206	.004 854 369	256	.003 906 25	306	.003 267 974	356	.002 808 989
207	.004 830 918	257	.003 891 051	307	.003 257 329	357	.002 801 12
208	.004 807 692	258	.003 875 969	308	.003 246 753	358	.002 793 296
209	.004 784 689	259	.003 861 004	309	.003 236 246	359	.002 785 515
210	.004 761 905	260	.003 846 154	310	.003 225 806	360	.002 777 778
211	.004 739 336	261	.003 831 418	311	.003 215 434	361	.002 770 083
212	.004 716 981	262	.003 816 794	312	.003 205 128	362	.002 762 431
213	.004 694 836	263	.003 802 281	313	.003 194 888	363	.002 754 821
214	.004 672 897	264	.003 787 879	314	.003 184 713	364	.002 747 253
215	.004 651 163	265	.003 773 585	315	.003 174 603	365	.002 739 726
216	.004 629 63	266	.003 759 398	316	.003 164 557	366	.002 732 24
217	.004 608 295	267	.003 745 318	317	.003 154 574	367	.002 724 796
218	.004 587 156	268	.003 731 343	318	.003 144 654	368	.002 717 391
219	.004 566 21	269	.003 717 472	319	.003 134 796	369	.002 710 027
220	.004 545 455	270	.003 703 704	320	.003 125	370	.002 702 703
221	.004 524 887	271	.003 690 037	321	.003 115 265	371	.002 695 418
222	.004 504 504	272	.003 676 471	322	.003 105 59	372	.002 688 172
223	.004 484 305	273	.003 663 004	323	.003 095 975	373	.002 680 965
224	.004 464 286	274	.003 649 635	324	.003 086 42	374	.002 673 797
225	.004 444 444	275	.003 636 364	325	.003 076 923	375	.002 666 667
226	.004 424 779	276	.003 623 188	326	.003 067 485	376	.002 659 574
227	.004 405 286	277	.003 610 108	327	.003 058 104	377	.002 652 52
228	.004 385 965	278	.003 597 122	328	.003 048 78	378	.002 645 503
229	.004 366 812	279	.003 584 229	329	.003 039 514	379	.002 638 522
230	.004 347 826	280	.003 571 429	330	.003 030 303	380	.002 631 579
231	.004 329 004	281	.003 558 719	331	.003 021 148	381	.002 624 672
232	.004 310 345	282	.003 546 099	332	.003 012 048	382	.002 617 801
233	.004 291 845	283	.003 533 569	333	.003 003 003	383	.002 610 966
234	.004 273 504	284	.003 521 127	334	.002 994 012	384	.002 604 167
235	.004 255 319	285	.003 508 772	335	.002 985 075	385	.002 597 403
236	.004 237 288	286	.003 496 503	336	.002 976 19	386	.002 590 674
237	.004 219 409	287	.003 484 321	337	.002 967 359	387	.002 583 979
238	.004 201 681	288	.003 472 222	338	.002 958 58	388	.002 577 32
239	.004 184 1	289	.003 460 208	339	.002 949 853	389	.002 570 694
240	.004 166 667	290	.003 448 276	340	.002 941 176	390	.002 564 103
241	.004 149 378	291	.003 436 426	341	.002 932 551	391	.002 557 545
242	.004 132 231	292	.003 424 658	342	.002 923 977	392	.002 551 02
243	.004 115 226	293	.003 412 969	343	.002 915 452	393	.002 544 529
244	.004 098 361	294	.003 401 361	344	.002 906 977	394	.002 538 071
245	.004 081 633	295	.003 389 831	345	.002 898 551	395	.002 531 646
246	.004 065 041	296	.003 378 378	346	.002 890 173	396	.002 525 253
247	.004 048 583	297	.003 367 003	347	.002 881 844	397	.002 518 892
248	.004 032 258	298	.003 355 705	348	.002 873 563	398	.002 512 563
249	.004 016 064	299	.003 344 482	349	.002 865 33	399	.002 506 266
250	.004	300	.003 333 333	350	.002 857 143	400	.002 5

401	.002 493 766	451	.002 217 295	501	.001 996 008	551	.001 814 882
402	.002 487 562	452	.002 212 389	502	.001 992 032	552	.001 811 594
403	.002 481 39	453	.002 207 506	503	.001 988 072	553	.001 808 318
404	.002 475 248	454	.002 202 643	504	.001 984 127	554	.001 805 054
405	.002 469 136	455	.002 197 802	505	.001 980 198	555	.001 801 802
406	.002 463 054	456	.002 192 982	506	.001 976 285	556	.001 798 561
407	.002 457 002	457	.002 188 184	507	.001 972 387	557	.001 795 332
408	.002 450 98	458	.002 183 406	508	.001 968 504	558	.001 792 115
409	.002 444 988	459	.002 178 649	509	.001 964 637	559	.001 788 909
410	.002 439 024	460	.002 173 913	510	.001 960 784	560	.001 785 714
411	.002 433 09	461	.002 169 197	511	.001 956 947	561	.001 782 531
412	.002 427 184	462	.002 164 502	512	.001 953 125	562	.001 779 359
413	.002 421 307	463	.002 159 827	513	.001 949 318	563	.001 776 199
414	.002 415 459	464	.002 155 172	514	.001 945 525	564	.001 773 05
415	.002 409 639	465	.002 150 538	515	.001 941 748	565	.001 769 912
416	.002 403 846	466	.002 145 923	516	.001 937 984	566	.001 766 784
417	.002 398 082	467	.002 141 328	517	.001 934 236	567	.001 763 668
418	.002 392 344	468	.002 136 752	518	.001 930 502	568	.001 760 563
419	.002 386 635	469	.002 132 196	519	.001 926 782	569	.001 757 469
420	.002 380 952	470	.002 127 66	520	.001 923 077	570	.001 754 386
421	.002 375 297	471	.002 123 142	521	.001 919 386	571	.001 751 313
422	.002 369 668	472	.002 118 644	522	.001 915 709	572	.001 748 252
423	.002 364 066	473	.002 114 165	523	.001 912 046	573	.001 745 201
424	.002 358 491	474	.002 109 705	524	.001 908 397	574	.001 742 16
425	.002 352 941	475	.002 105 263	525	.001 904 762	575	.001 739 13
426	.002 347 418	476	.002 100 84	526	.001 901 141	576	.001 736 111
427	.002 341 92	477	.002 096 436	527	.001 897 533	577	.001 733 102
428	.002 336 449	478	.002 092 05	528	.001 893 939	578	.001 730 104
429	.002 331 002	479	.002 087 683	529	.001 890 359	579	.001 727 116
430	.002 325 581	480	.002 083 333	530	.001 886 792	580	.001 724 138
431	.002 320 186	481	.002 079 002	531	.001 883 239	581	.001 721 17
432	.002 314 815	482	.002 074 689	532	.001 879 699	582	.001 718 213
433	.002 309 469	483	.002 070 393	533	.001 876 173	583	.001 715 266
434	.002 304 147	484	.002 066 116	534	.001 872 659	584	.001 712 329
435	.002 298 851	485	.002 061 856	535	.001 869 159	585	.001 709 402
436	.002 293 578	486	.002 057 613	536	.001 865 672	586	.001 706 485
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439	.002 277 904	489	.002 044 99	539	.001 855 288	589	.001 697 793
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443	.002 257 336	493	.002 028 398	543	.001 841 621	593	.001 686 341
444	.002 252 252	494	.002 024 291	544	.001 838 235	594	.001 683 502
445	.002 247 191	495	.002 020 202	545	.001 834 862	595	.001 680 672
446	.002 242 152	496	.002 016 129	546	.001 831 502	596	.001 677 852
447	.002 237 136	497	.002 012 072	547	.001 828 154	597	.001 675 042
448	.002 232 143	498	.002 008 032	548	.001 824 818	598	.001 672 241
449	.002 227 171	499	.002 004 008	549	.001 821 494	599	.001 669 449
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620	.001 612 903	670	.001 492 537	720	.001 388 889	770	.001 298 701
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634	.001 577 287	684	.001 461 988	734	.001 362 398	784	.001 275 51
635	.001 574 803	685	.001 459 854	735	.001 360 544	785	.001 273 885
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803	.001 245 33	853	.001 172 333	903	.001 107 42	953	.001 049 318
804	.001 243 781	854	.001 170 96	904	.001 106 195	954	.001 048 218
805	.001 242 236	855	.001 169 591	905	.001 104 972	955	.001 047 12
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829	.001 206 273	879	.001 137 656	929	.001 076 426	979	.001 021 45
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833	.001 200 48	883	.001 132 503	933	.001 071 811	983	.001 017 294
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842	.001 187 648	892	.001 121 076	942	.001 061 571	992	.001 008 065
843	.001 186 24	893	.001 119 821	943	.001 060 445	993	.001 007 049
844	.001 184 834	894	.001 118 568	944	.001 059 322	994	.001 006 036
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1403	.000 712 758	1453	.000 688 231	1503	.000 665 336	1553	.000 643 915
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1405	.000 711 744	1455	.000 687 285	1505	.000 664 452	1555	.000 643 087
1406	.000 711 238	1456	.000 686 813	1506	.000 664 011	1556	.000 642 674
1407	.000 710 732	1457	.000 686 342	1507	.000 663 57	1557	.000 642 261
1408	.000 710 227	1458	.000 685 871	1508	.000 663 13	1558	.000 641 849
1409	.000 709 723	1459	.000 685 401	1509	.000 662 691	1559	.000 641 437
1410	.000 709 22	1460	.000 684 932	1510	.000 662 252	1560	.000 641 026
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1412	.000 708 215	1462	.000 683 995	1512	.000 661 376	1562	.000 640 205
1413	.000 707 714	1463	.000 683 527	1513	.000 660 939	1563	.000 639 795
1414	.000 707 214	1464	.000 683 06	1514	.000 660 502	1564	.000 639 386
1415	.000 706 714	1465	.000 682 594	1515	.000 660 066	1565	.000 638 978
1416	.000 706 215	1466	.000 682 128	1516	.000 659 631	1566	.000 638 57
1417	.000 705 716	1467	.000 681 663	1517	.000 659 196	1567	.000 638 162
1418	.000 705 219	1468	.000 681 199	1518	.000 658 762	1568	.000 637 755
1419	.000 704 722	1469	.000 680 735	1519	.000 658 328	1569	.000 637 349
1420	.000 704 225	1470	.000 680 272	1520	.000 657 895	1570	.000 636 943
1421	.000 703 73	1471	.000 679 81	1521	.000 657 462	1571	.000 636 537
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1424	.000 702 247	1474	.000 678 426	1524	.000 656 168	1574	.000 635 324
1425	.000 701 754	1475	.000 677 966	1525	.000 655 738	1575	.000 634 921
1426	.000 701 262	1476	.000 677 507	1526	.000 655 308	1576	.000 634 518
1427	.000 700 771	1477	.000 677 048	1527	.000 654 879	1577	.000 634 115
1428	.000 700 28	1478	.000 676 59	1528	.000 654 45	1578	.000 633 714
1429	.000 699 79	1479	.000 676 133	1529	.000 654 022	1579	.000 633 312
1430	.000 699 301	1480	.000 675 676	1530	.000 653 595	1580	.000 632 911
1431	.000 698 812	1481	.000 675 219	1531	.000 653 168	1581	.000 632 511
1432	.000 698 324	1482	.000 674 764	1532	.000 652 742	1582	.000 632 111
1433	.000 697 837	1483	.000 674 309	1533	.000 652 316	1583	.000 631 712
1434	.000 697 35	1484	.000 673 854	1534	.000 651 89	1584	.000 631 313
1435	.000 696 864	1485	.000 673 401	1535	.000 651 466	1585	.000 630 915
1436	.000 696 379	1486	.000 672 948	1536	.000 651 042	1586	.000 630 517
1437	.000 695 894	1487	.000 672 495	1537	.000 650 618	1587	.000 630 12
1438	.000 695 41	1488	.000 672 043	1538	.000 650 195	1588	.000 629 723
1439	.000 694 927	1489	.000 671 592	1539	.000 649 773	1589	.000 629 327
1440	.000 694 444	1490	.000 671 141	1540	.000 649 351	1590	.000 628 931
1441	.000 693 963	1491	.000 670 691	1541	.000 648 929	1591	.000 628 536
1442	.000 693 481	1492	.000 670 241	1542	.000 648 508	1592	.000 628 141
1443	.000 693 001	1493	.000 669 792	1543	.000 648 088	1593	.000 627 746
1444	.000 692 521	1494	.000 669 344	1544	.000 647 668	1594	.000 627 353
1445	.000 692 042	1495	.000 668 896	1545	.000 647 249	1595	.000 626 959
1446	.000 691 563	1496	.000 668 449	1546	.000 646 831	1596	.000 626 566
1447	.000 691 085	1497	.000 668 003	1547	.000 646 412	1597	.000 626 174
1448	.000 690 608	1498	.000 667 557	1548	.000 645 995	1598	.000 625 782
1449	.000 690 131	1499	.000 667 111	1549	.000 645 578	1599	.000 625 391
1450	.000 689 655	1500	.000 666 667	1550	.000 645 161	1600	.000 625

1601	.000 624 61	1651	.000 605 694	1701	.000 587 889	1751	.000 571 102
1602	.000 624 22	1652	.000 605 327	1702	.000 587 544	1752	.000 570 776
1603	.000 623 83	1653	.000 604 961	1703	.000 587 199	1753	.000 570 451
1604	.000 623 441	1654	.000 604 595	1704	.000 586 854	1754	.000 570 125
1605	.000 623 053	1655	.000 604 23	1705	.000 586 51	1755	.000 569 801
1606	.000 622 665	1656	.000 603 865	1706	.000 586 166	1756	.000 569 476
1607	.000 622 278	1657	.000 603 5	1707	.000 585 823	1757	.000 569 152
1608	.000 621 891	1658	.000 603 136	1708	.000 585 48	1758	.000 568 828
1609	.000 621 504	1659	.000 602 773	1709	.000 585 138	1759	.000 568 505
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1611	.000 620 732	1661	.000 602 047	1711	.000 584 454	1761	.000 567 859
1612	.000 620 347	1662	.000 601 685	1712	.000 584 112	1762	.000 567 537
1613	.000 619 963	1663	.000 601 323	1713	.000 583 771	1763	.000 567 215
1614	.000 619 579	1664	.000 600 962	1714	.000 583 431	1764	.000 566 893
1615	.000 619 195	1665	.000 600 601	1715	.000 583 09	1765	.000 566 572
1616	.000 618 812	1666	.000 600 24	1716	.000 582 751	1766	.000 566 251
1617	.000 618 429	1667	.000 599 88	1717	.000 582 411	1767	.000 565 931
1618	.000 618 047	1668	.000 599 52	1718	.000 582 072	1768	.000 565 611
1619	.000 617 665	1669	.000 599 161	1719	.000 581 734	1769	.000 565 291
1620	.000 617 284	1670	.000 598 802	1720	.000 581 395	1770	.000 564 972
1621	.000 616 903	1671	.000 598 444	1721	.000 581 058	1771	.000 564 653
1622	.000 616 523	1672	.000 598 086	1722	.000 580 72	1772	.000 564 334
1623	.000 616 143	1673	.000 597 729	1723	.000 580 383	1773	.000 564 016
1624	.000 615 764	1674	.000 597 372	1724	.000 580 046	1774	.000 563 698
1625	.000 615 385	1675	.000 597 015	1725	.000 579 71	1775	.000 563 38
1626	.000 615 006	1676	.000 596 659	1726	.000 579 374	1776	.000 563 063
1627	.000 614 628	1677	.000 596 303	1727	.000 579 039	1777	.000 562 746
1628	.000 614 251	1678	.000 595 948	1728	.000 578 704	1778	.000 562 43
1629	.000 613 874	1679	.000 595 593	1729	.000 578 369	1779	.000 562 114
1630	.000 613 497	1680	.000 595 238	1730	.000 578 035	1780	.000 561 798
1631	.000 613 121	1681	.000 594 884	1731	.000 577 701	1781	.000 561 482
1632	.000 612 745	1682	.000 594 53	1732	.000 577 367	1782	.000 561 167
1633	.000 612 37	1683	.000 594 177	1733	.000 577 034	1783	.000 560 852
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1635	.000 611 621	1685	.000 593 472	1735	.000 576 369	1785	.000 560 224
1636	.000 611 247	1686	.000 593 12	1736	.000 576 037	1786	.000 559 91
1637	.000 610 874	1687	.000 592 768	1737	.000 575 705	1787	.000 559 597
1638	.000 610 501	1688	.000 592 417	1738	.000 575 374	1788	.000 559 284
1639	.000 610 128	1689	.000 592 066	1739	.000 575 043	1789	.000 558 971
1640	.000 609 756	1690	.000 591 716	1740	.000 574 713	1790	.000 558 659
1641	.000 609 385	1691	.000 591 366	1741	.000 574 383	1791	.000 558 347
1642	.000 609 013	1692	.000 591 017	1742	.000 574 053	1792	.000 558 036
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1644	.000 608 273	1694	.000 590 319	1744	.000 573 394	1794	.000 557 414
1645	.000 607 903	1695	.000 589 971	1745	.000 573 066	1795	.000 557 103
1646	.000 607 533	1696	.000 589 623	1746	.000 572 738	1796	.000 556 793
1647	.000 607 165	1697	.000 589 275	1747	.000 572 41	1797	.000 556 483
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1649	.000 606 428	1699	.000 588 582	1749	.000 571 755	1799	.000 555 864
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1804	.000 554 324	1854	.000 539 374	1904	.000 525 21	1954	.000 511 771
1805	.000 554 017	1855	.000 539 084	1905	.000 524 934	1955	.000 511 509
1806	.000 553 71	1856	.000 538 793	1906	.000 524 659	1956	.000 511 247
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1808	.000 553 097	1858	.000 538 213	1908	.000 524 109	1958	.000 510 725
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1811	.000 552 181	1861	.000 537 346	1911	.000 523 286	1961	.000 509 944
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1813	.000 551 572	1863	.000 536 769	1913	.000 522 739	1963	.000 509 424
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1818	.000 550 055	1868	.000 535 332	1918	.000 521 376	1968	.000 508 13
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1824	.000 548 246	1874	.000 533 618	1924	.000 519 751	1974	.000 506 586
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1834	.000 545 256	1884	.000 530 786	1934	.000 517 063	1984	.000 504 032
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1836	.000 544 662	1886	.000 530 223	1936	.000 516 529	1986	.000 503 525
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1841	.000 543 183	1891	.000 528 821	1941	.000 515 198	1991	.000 502 26
1842	.000 542 888	1892	.000 528 541	1942	.000 514 933	1992	.000 502 008
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1848	.000 541 126	1898	.000 526 87	1948	.000 513 347	1998	.000 500 501
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2001	.000 499 75	2051	.000 487 567	2101	.000 475 964	2151	.000 464 9
2002	.000 499 5	2052	.000 487 329	2102	.000 475 737	2152	.000 464 684
2003	.000 499 251	2053	.000 487 092	2103	.000 475 511	2153	.000 464 468
2004	.000 499 002	2054	.000 486 855	2104	.000 475 285	2154	.000 464 253
2005	.000 498 753	2055	.000 486 618	2105	.000 475 059	2155	.000 464 037
2006	.000 498 504	2056	.000 486 381	2106	.000 474 834	2156	.000 463 822
2007	.000 498 256	2057	.000 486 145	2107	.000 474 608	2157	.000 463 607
2008	.000 498 008	2058	.000 485 909	2108	.000 474 383	2158	.000 463 392
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2010	.000 497 512	2060	.000 485 437	2110	.000 473 934	2160	.000 462 963
2011	.000 497 265	2061	.000 485 201	2111	.000 473 709	2161	.000 462 749
2012	.000 497 018	2062	.000 484 966	2112	.000 473 485	2162	.000 462 535
2013	.000 496 771	2063	.000 484 731	2113	.000 473 261	2163	.000 462 321
2014	.000 496 524	2064	.000 484 496	2114	.000 473 037	2164	.000 462 107
2015	.000 496 278	2065	.000 484 262	2115	.000 472 813	2165	.000 461 894
2016	.000 496 032	2066	.000 484 027	2116	.000 472 59	2166	.000 461 681
2017	.000 495 786	2067	.000 483 793	2117	.000 472 367	2167	.000 461 467
2018	.000 495 54	2068	.000 483 559	2118	.000 472 144	2168	.000 461 255
2019	.000 495 295	2069	.000 483 325	2119	.000 471 921	2169	.000 461 042
2020	.000 495 05	2070	.000 483 092	2120	.000 471 698	2170	.000 460 829
2021	.000 494 805	2071	.000 482 859	2121	.000 471 476	2171	.000 460 617
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2037	.000 490 918	2087	.000 479 157	2137	.000 467 946	2187	.000 457 247
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2044	.000 489 237	2094	.000 477 555	2144	.000 466 418	2194	.000 455 789
2045	.000 488 998	2095	.000 477 327	2145	.000 466 2	2195	.000 455 581
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2049	.000 488 043	2099	.000 476 417	2149	.000 465 333	2199	.000 454 752
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2205	.000 453 515	2255	.000 443 459	2305	.000 433 839	2355	.000 424 628
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2207	.000 453 104	2257	.000 443 066	2307	.000 433 463	2357	.000 424 268
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2209	.000 452 694	2259	.000 442 674	2309	.000 433 088	2359	.000 423 908
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2212	.000 452 08	2262	.000 442 087	2312	.000 432 526	2362	.000 423 37
2213	.000 451 875	2263	.000 441 891	2313	.000 432 339	2363	.000 423 191
2214	.000 451 671	2264	.000 441 696	2314	.000 432 152	2364	.000 423 012
2215	.000 451 467	2265	.000 441 501	2315	.000 431 965	2365	.000 422 833
2216	.000 451 264	2266	.000 441 306	2316	.000 431 779	2366	.000 422 654
2217	.000 451 06	2267	.000 441 112	2317	.000 431 593	2367	.000 422 476
2218	.000 450 857	2268	.000 440 917	2318	.000 431 406	2368	.000 422 297
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2222	.000 450 045	2272	.000 440 141	2322	.000 430 663	2372	.000 421 585
2223	.000 449 843	2273	.000 439 947	2323	.000 430 478	2373	.000 421 407
2224	.000 449 64	2274	.000 439 754	2324	.000 430 293	2374	.000 421 23
2225	.000 449 438	2275	.000 439 56	2325	.000 430 108	2375	.000 421 053
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2227	.000 449 035	2277	.000 439 174	2327	.000 429 738	2377	.000 420 698
2228	.000 448 833	2278	.000 438 982	2328	.000 429 553	2378	.000 420 521
2229	.000 448 632	2279	.000 438 789	2329	.000 429 369	2379	.000 420 345
2230	.000 448 43	2280	.000 438 596	2330	.000 429 185	2380	.000 420 168
2231	.000 448 229	2281	.000 438 404	2331	.000 429	2381	.000 419 992
2232	.000 448 029	2282	.000 438 212	2332	.000 428 816	2382	.000 419 815
2233	.000 447 828	2283	.000 438 02	2333	.000 428 633	2383	.000 419 639
2234	.000 447 628	2284	.000 437 828	2334	.000 428 449	2384	.000 419 463
2235	.000 447 427	2285	.000 437 637	2335	.000 428 266	2385	.000 419 287
2236	.000 447 227	2286	.000 437 445	2336	.000 428 082	2386	.000 419 111
2237	.000 447 027	2287	.000 437 254	2337	.000 427 899	2387	.000 418 936
2238	.000 446 828	2288	.000 437 063	2338	.000 427 716	2388	.000 418 76
2239	.000 446 628	2289	.000 436 872	2339	.000 427 533	2389	.000 418 585
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2243	.000 445 831	2293	.000 436 11	2343	.000 426 803	2393	.000 417 885
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2245	.000 445 434	2295	.000 435 73	2345	.000 426 439	2395	.000 417 537
2246	.000 445 236	2296	.000 435 54	2346	.000 426 257	2396	.000 417 362
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3216	.000 310 945	3266	.000 306 185	3316	.000 301 568	3366	.000 297 089
3217	.000 310 849	3267	.000 306 091	3317	.000 301 477	3367	.000 297
3218	.000 310 752	3268	.000 305 998	3318	.000 301 386	3368	.000 296 912
3219	.000 310 655	3269	.000 305 904	3319	.000 301 296	3369	.000 296 824
3220	.000 310 559	3270	.000 305 81	3320	.000 301 205	3370	.000 296 736
3221	.000 310 463	3271	.000 305 717	3321	.000 301 114	3371	.000 296 648
3222	.000 310 366	3272	.000 305 623	3322	.000 301 023	3372	.000 296 56
3223	.000 310 27	3273	.000 305 53	3323	.000 300 933	3373	.000 296 472
3224	.000 310 174	3274	.000 305 437	3324	.000 300 842	3374	.000 296 384
3225	.000 310 078	3275	.000 305 344	3325	.000 300 752	3375	.000 296 296
3226	.000 309 981	3276	.000 305 25	3326	.000 300 661	3376	.000 296 209
3227	.000 309 885	3277	.000 305 157	3327	.000 300 571	3377	.000 296 121
3228	.000 309 789	3278	.000 305 064	3328	.000 300 481	3378	.000 296 033
3229	.000 309 693	3279	.000 304 971	3329	.000 300 391	3379	.000 295 946
3230	.000 309 598	3280	.000 304 878	3330	.000 300 3	3380	.000 295 858
3231	.000 309 502	3281	.000 304 785	3331	.000 300 21	3381	.000 295 77
3232	.000 309 406	3282	.000 304 692	3332	.000 300 12	3382	.000 295 683
3233	.000 309 31	3283	.000 304 599	3333	.000 300 03	3383	.000 295 596
3234	.000 309 215	3284	.000 304 507	3334	.000 299 94	3384	.000 295 508
3235	.000 309 119	3285	.000 304 414	3335	.000 299 85	3385	.000 295 42
3236	.000 309 023	3286	.000 304 321	3336	.000 299 76	3386	.000 295 334
3237	.000 308 928	3287	.000 304 229	3337	.000 299 67	3387	.000 295 247
3238	.000 308 833	3288	.000 304 136	3338	.000 299 581	3388	.000 295 159
3239	.000 308 737	3289	.000 304 044	3339	.000 299 491	3389	.000 295 072
3240	.000 308 642	3290	.000 303 951	3340	.000 299 401	3390	.000 294 985
3241	.000 308 547	3291	.000 303 859	3341	.000 299 312	3391	.000 294 898
3242	.000 308 452	3292	.000 303 767	3342	.000 299 222	3392	.000 294 811
3243	.000 308 356	3293	.000 303 674	3343	.000 299 133	3393	.000 294 724
3244	.000 308 261	3294	.000 303 582	3344	.000 299 043	3394	.000 294 638
3245	.000 308 166	3295	.000 303 49	3345	.000 298 954	3395	.000 294 551
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3416	.000 292 74	3466	.000 288 517	3516	.000 284 414	3566	.000 280 426
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3422	.000 292 227	3472	.000 288 018	3522	.000 283 93	3572	.000 279 955
3423	.000 292 141	3473	.000 287 936	3523	.000 283 849	3573	.000 279 877
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3425	.000 291 971	3475	.000 287 77	3525	.000 283 688	3575	.000 279 72
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3431	.000 291 46	3481	.000 287 274	3531	.000 283 206	3581	.000 279 252
3432	.000 291 375	3482	.000 287 191	3532	.000 283 126	3582	.000 279 174
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3438	.000 290 867	3488	.000 286 697	3538	.000 282 646	3588	.000 278 707
3439	.000 290 782	3489	.000 286 615	3539	.000 282 566	3589	.000 278 629
3440	.000 290 698	3490	.000 286 533	3540	.000 282 486	3590	.000 278 552
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3603	.000 277 546	3653	.000 273 748	3703	.000 270 051	3753	.000 266 454
3604	.000 277 469	3654	.000 273 673	3704	.000 269 978	3754	.000 266 383
3605	.000 277 393	3655	.000 273 598	3705	.000 269 906	3755	.000 266 312
3606	.000 277 316	3656	.000 273 523	3706	.000 269 833	3756	.000 266 241
3607	.000 277 239	3657	.000 273 448	3707	.000 269 76	3757	.000 266 17
3608	.000 277 162	3658	.000 273 373	3708	.000 269 687	3758	.000 266 099
3609	.000 277 085	3659	.000 273 299	3709	.000 269 614	3759	.000 266 028
3610	.000 277 008	3660	.000 273 224	3710	.000 269 542	3760	.000 265 957
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3617	.000 276 472	3667	.000 272 702	3717	.000 269 034	3767	.000 265 463
3618	.000 276 396	3668	.000 272 628	3718	.000 268 962	3768	.000 265 393
3619	.000 276 319	3669	.000 272 554	3719	.000 268 889	3769	.000 265 322
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3621	.000 276 167	3671	.000 272 405	3721	.000 268 745	3771	.000 265 182
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3623	.000 276 014	3673	.000 272 257	3723	.000 268 601	3773	.000 265 041
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3625	.000 275 862	3675	.000 272 109	3725	.000 268 456	3775	.000 264 901
3626	.000 275 786	3676	.000 272 035	3726	.000 268 384	3776	.000 264 831
3627	.000 275 71	3677	.000 271 961	3727	.000 268 312	3777	.000 264 76
3628	.000 275 634	3678	.000 271 887	3728	.000 268 24	3778	.000 264 69
3629	.000 275 558	3679	.000 271 813	3729	.000 268 168	3779	.000 264 62
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3631	.000 275 406	3681	.000 271 665	3731	.000 268 025	3781	.000 264 48
3632	.000 275 33	3682	.000 271 592	3732	.000 267 953	3782	.000 264 41
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3648	.000 274 123	3698	.000 270 416	3748	.000 266 809	3798	.000 263 296
3649	.000 274 048	3699	.000 270 343	3749	.000 266 738	3799	.000 263 227
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4028	.000 248 262	4078	.000 245 218	4128	.000 242 248	4178	.000 239 349
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4033	.000 247 954	4083	.000 244 918	4133	.000 241 955	4183	.000 239 063
4034	.000 247 893	4084	.000 244 858	4134	.000 241 896	4184	.000 239 006
4035	.000 247 831	4085	.000 244 798	4135	.000 241 838	4185	.000 238 949
4036	.000 247 77	4086	.000 244 738	4136	.000 241 779	4186	.000 238 892
4037	.000 247 709	4087	.000 244 678	4137	.000 241 721	4187	.000 238 834
4038	.000 247 647	4088	.000 244 618	4138	.000 241 663	4188	.000 238 777
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4042	.000 247 402	4092	.000 244 379	4142	.000 241 429	4192	.000 238 55
4043	.000 247 341	4093	.000 244 32	4143	.000 241 371	4193	.000 238 493
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4045	.000 247 219	4095	.000 244 2	4145	.000 241 255	4195	.000 238 379
4046	.000 247 158	4096	.000 244 141	4146	.000 241 196	4196	.000 238 322
4047	.000 247 097	4097	.000 244 081	4147	.000 241 138	4197	.000 238 265
4048	.000 247 036	4098	.000 244 021	4148	.000 241 08	4198	.000 238 209
4049	.000 246 975	4099	.000 243 962	4149	.000 241 022	4199	.000 238 152
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4201	.000 238 039	4251	.000 235 239	4301	.000 232 504	4351	.000 229 832
4202	.000 237 982	4252	.000 235 183	4302	.000 232 45	4352	.000 229 779
4203	.000 237 925	4253	.000 235 128	4303	.000 232 396	4353	.000 229 727
4204	.000 237 869	4254	.000 235 073	4304	.000 232 342	4354	.000 229 674
4205	.000 237 812	4255	.000 235 018	4305	.000 232 288	4355	.000 229 621
4206	.000 237 756	4256	.000 234 962	4306	.000 232 234	4356	.000 229 568
4207	.000 237 699	4257	.000 234 907	4307	.000 232 18	4357	.000 229 516
4208	.000 237 643	4258	.000 234 852	4308	.000 232 126	4358	.000 229 463
4209	.000 237 586	4259	.000 234 797	4309	.000 232 072	4359	.000 229 41
4210	.000 237 53	4260	.000 234 742	4310	.000 232 019	4360	.000 229 358
4211	.000 237 473	4261	.000 234 687	4311	.000 231 965	4361	.000 229 305
4212	.000 237 417	4262	.000 234 632	4312	.000 231 911	4362	.000 229 253
4213	.000 237 361	4263	.000 234 577	4313	.000 231 857	4363	.000 229 2
4214	.000 237 304	4264	.000 234 522	4314	.000 231 803	4364	.000 229 148
4215	.000 237 248	4265	.000 234 467	4315	.000 231 75	4365	.000 229 095
4216	.000 237 192	4266	.000 234 412	4316	.000 231 696	4366	.000 229 043
4217	.000 237 135	4267	.000 234 357	4317	.000 231 642	4367	.000 228 99
4218	.000 237 079	4268	.000 234 302	4318	.000 231 589	4368	.000 228 938
4219	.000 237 023	4269	.000 234 247	4319	.000 231 535	4369	.000 228 885
4220	.000 236 967	4270	.000 234 192	4320	.000 231 481	4370	.000 228 833
4221	.000 236 911	4271	.000 234 137	4321	.000 231 428	4371	.000 228 781
4222	.000 236 855	4272	.000 234 082	4322	.000 231 374	4372	.000 228 728
4223	.000 236 798	4273	.000 234 028	4323	.000 231 321	4373	.000 228 676
4224	.000 236 742	4274	.000 233 973	4324	.000 231 267	4374	.000 228 624
4225	.000 236 686	4275	.000 233 918	4325	.000 231 214	4375	.000 228 571
4226	.000 236 63	4276	.000 233 863	4326	.000 231 16	4376	.000 228 519
4227	.000 236 574	4277	.000 233 809	4327	.000 231 107	4377	.000 228 467
4228	.000 236 518	4278	.000 233 754	4328	.000 231 054	4378	.000 228 415
4229	.000 236 463	4279	.000 233 699	4329	.000 231	4379	.000 228 363
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4234	.000 236 183	4284	.000 233 427	4334	.000 230 734	4384	.000 228 102
4235	.000 236 128	4285	.000 233 372	4335	.000 230 681	4385	.000 228 05
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4239	.000 235 905	4289	.000 233 155	4339	.000 230 468	4389	.000 227 842
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4242	.000 235 738	4292	.000 232 992	4342	.000 230 309	4392	.000 227 687
4243	.000 235 682	4293	.000 232 937	4343	.000 230 256	4393	.000 227 635
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4403	.000 227 118	4453	.000 224 568	4503	.000 222 074	4553	.000 219 635
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4405	.000 227 015	4455	.000 224 467	4505	.000 221 976	4555	.000 219 539
4406	.000 226 963	4456	.000 224 417	4506	.000 221 926	4556	.000 219 491
4407	.000 226 912	4457	.000 224 366	4507	.000 221 877	4557	.000 219 443
4408	.000 226 86	4458	.000 224 316	4508	.000 221 828	4558	.000 219 394
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4411	.000 226 706	4461	.000 224 165	4511	.000 221 68	4561	.000 219 25
4412	.000 226 655	4462	.000 224 115	4512	.000 221 631	4562	.000 219 202
4413	.000 226 603	4463	.000 224 065	4513	.000 221 582	4563	.000 219 154
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4822	.000 207 383	4872	.000 205 255	4922	.000 203 169	4972	.000 201 126
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5004	.000 199 84	5054	.000 197 863	5104	.000 195 925	5154	.000 194 024
5005	.000 199 8	5055	.000 197 824	5105	.000 195 886	5155	.000 193 986
5006	.000 199 76	5056	.000 197 785	5106	.000 195 848	5156	.000 193 949
5007	.000 199 72	5057	.000 197 746	5107	.000 195 81	5157	.000 193 911
5008	.000 199 681	5058	.000 197 707	5108	.000 195 771	5158	.000 193 874
5009	.000 199 641	5059	.000 197 668	5109	.000 195 733	5159	.000 193 836
5010	.000 199 601	5060	.000 197 628	5110	.000 195 695	5160	.000 193 798
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5012	.000 199 521	5062	.000 197 55	5112	.000 195 618	5162	.000 193 723
5013	.000 199 481	5063	.000 197 511	5113	.000 195 58	5163	.000 193 686
5014	.000 199 442	5064	.000 197 472	5114	.000 195 542	5164	.000 193 648
5015	.000 199 402	5065	.000 197 433	5115	.000 195 503	5165	.000 193 611
5016	.000 199 362	5066	.000 197 394	5116	.000 195 465	5166	.000 193 573
5017	.000 199 322	5067	.000 197 355	5117	.000 195 427	5167	.000 193 536
5018	.000 199 283	5068	.000 197 316	5118	.000 195 389	5168	.000 193 498
5019	.000 199 243	5069	.000 197 278	5119	.000 195 351	5169	.000 193 461
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5023	.000 199 084	5073	.000 197 122	5123	.000 195 198	5173	.000 193 311
5024	.000 199 045	5074	.000 197 083	5124	.000 195 16	5174	.000 193 274
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5028	.000 198 886	5078	.000 196 928	5128	.000 195 008	5178	.000 193 125
5029	.000 198 847	5079	.000 196 889	5129	.000 194 97	5179	.000 193 087
5030	.000 198 807	5080	.000 196 85	5130	.000 194 932	5180	.000 193 05
5031	.000 198 768	5081	.000 196 812	5131	.000 194 894	5181	.000 193 013
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5033	.000 198 689	5083	.000 196 734	5133	.000 194 818	5183	.000 192 938
5034	.000 198 649	5084	.000 196 696	5134	.000 194 78	5184	.000 192 901
5035	.000 198 61	5085	.000 196 657	5135	.000 194 742	5185	.000 192 864
5036	.000 198 57	5086	.000 196 618	5136	.000 194 704	5186	.000 192 827
5037	.000 198 531	5087	.000 196 58	5137	.000 194 666	5187	.000 192 79
5038	.000 198 491	5088	.000 196 541	5138	.000 194 628	5188	.000 192 753
5039	.000 198 452	5089	.000 196 502	5139	.000 194 59	5189	.000 192 715
5040	.000 198 413	5090	.000 196 464	5140	.000 194 553	5190	.000 192 678
5041	.000 198 373	5091	.000 196 425	5141	.000 194 515	5191	.000 192 641
5042	.000 198 334	5092	.000 196 386	5142	.000 194 477	5192	.000 192 604
5043	.000 198 295	5093	.000 196 348	5143	.000 194 439	5193	.000 192 567
5044	.000 198 255	5094	.000 196 309	5144	.000 194 401	5194	.000 192 53
5045	.000 198 216	5095	.000 196 271	5145	.000 194 363	5195	.000 192 493
5046	.000 198 177	5096	.000 196 232	5146	.000 194 326	5196	.000 192 456
5047	.000 198 138	5097	.000 196 194	5147	.000 194 288	5197	.000 192 419
5048	.000 198 098	5098	.000 196 155	5148	.000 194 25	5198	.000 192 382
5049	.000 198 059	5099	.000 196 117	5149	.000 194 212	5199	.000 192 345
5050	.000 198 02	5100	.000 196 078	5150	.000 194 175	5200	.000 192 308

5201	.000 192 271	5251	.000 190 44	5301	.000 188 644	5351	.000 186 881
5202	.000 192 234	5252	.000 190 404	5302	.000 188 608	5352	.000 186 846
5203	.000 192 197	5253	.000 190 367	5303	.000 188 573	5353	.000 186 811
5204	.000 192 16	5254	.000 190 331	5304	.000 188 537	5354	.000 186 776
5205	.000 192 123	5255	.000 190 295	5305	.000 188 501	5355	.000 186 741
5206	.000 192 086	5256	.000 190 259	5306	.000 188 466	5356	.000 186 706
5207	.000 192 049	5257	.000 190 223	5307	.000 188 43	5357	.000 186 672
5208	.000 192 012	5258	.000 190 186	5308	.000 188 395	5358	.000 186 637
5209	.000 191 975	5259	.000 190 15	5309	.000 188 359	5359	.000 186 602
5210	.000 191 939	5260	.000 190 114	5310	.000 188 324	5360	.000 186 567
5211	.000 191 902	5261	.000 190 078	5311	.000 188 288	5361	.000 186 532
5212	.000 191 865	5262	.000 190 042	5312	.000 188 253	5362	.000 186 498
5213	.000 191 828	5263	.000 190 006	5313	.000 188 218	5363	.000 186 463
5214	.000 191 791	5264	.000 189 97	5314	.000 188 182	5364	.000 186 428
5215	.000 191 755	5265	.000 189 934	5315	.000 188 147	5365	.000 186 393
5216	.000 191 718	5266	.000 189 897	5316	.000 188 111	5366	.000 186 359
5217	.000 191 681	5267	.000 189 861	5317	.000 188 076	5367	.000 186 324
5218	.000 191 644	5268	.000 189 825	5318	.000 188 041	5368	.000 186 289
5219	.000 191 608	5269	.000 189 789	5319	.000 188 005	5369	.000 186 254
5220	.000 191 571	5270	.000 189 753	5320	.000 187 97	5370	.000 186 22
5221	.000 191 534	5271	.000 189 717	5321	.000 187 935	5371	.000 186 185
5222	.000 191 498	5272	.000 189 681	5322	.000 187 899	5372	.000 186 15
5223	.000 191 461	5273	.000 189 645	5323	.000 187 864	5373	.000 186 116
5224	.000 191 424	5274	.000 189 609	5324	.000 187 829	5374	.000 186 081
5225	.000 191 388	5275	.000 189 573	5325	.000 187 793	5375	.000 186 047
5226	.000 191 351	5276	.000 189 538	5326	.000 187 758	5376	.000 186 012
5227	.000 191 314	5277	.000 189 502	5327	.000 187 723	5377	.000 185 977
5228	.000 191 278	5278	.000 189 466	5328	.000 187 688	5378	.000 185 943
5229	.000 191 241	5279	.000 189 43	5329	.000 187 652	5379	.000 185 908
5230	.000 191 205	5280	.000 189 394	5330	.000 187 617	5380	.000 185 874
5231	.000 191 168	5281	.000 189 358	5331	.000 187 582	5381	.000 185 839
5232	.000 191 131	5282	.000 189 322	5332	.000 187 547	5382	.000 185 805
5233	.000 191 095	5283	.000 189 286	5333	.000 187 512	5383	.000 185 77
5234	.000 191 058	5284	.000 189 251	5334	.000 187 477	5384	.000 185 736
5235	.000 191 022	5285	.000 189 215	5335	.000 187 441	5385	.000 185 701
5236	.000 190 985	5286	.000 189 179	5336	.000 187 406	5386	.000 185 667
5237	.000 190 949	5287	.000 189 143	5337	.000 187 371	5387	.000 185 632
5238	.000 190 913	5288	.000 189 107	5338	.000 187 336	5388	.000 185 598
5239	.000 190 876	5289	.000 189 072	5339	.000 187 301	5389	.000 185 563
5240	.000 190 84	5290	.000 189 036	5340	.000 187 266	5390	.000 185 529
5241	.000 190 803	5291	.000 189	5341	.000 187 231	5391	.000 185 494
5242	.000 190 767	5292	.000 188 964	5342	.000 187 196	5392	.000 185 46
5243	.000 190 73	5293	.000 188 929	5343	.000 187 161	5393	.000 185 426
5244	.000 190 694	5294	.000 188 893	5344	.000 187 126	5394	.000 185 391
5245	.000 190 658	5295	.000 188 857	5345	.000 187 091	5395	.000 185 357
5246	.000 190 621	5296	.000 188 822	5346	.000 187 056	5396	.000 185 322
5247	.000 190 585	5297	.000 188 786	5347	.000 187 021	5397	.000 185 288
5248	.000 190 549	5298	.000 188 75	5348	.000 186 986	5398	.000 185 254
5249	.000 190 512	5299	.000 188 715	5349	.000 186 951	5399	.000 185 219
5250	.000 190 476	5300	.000 188 679	5350	.000 186 916	5400	.000 185 185

5401	.000 185 151	5451	.000 183 453	5501	.000 181 785	5551	.000 180 148
5402	.000 185 117	5452	.000 183 419	5502	.000 181 752	5552	.000 180 115
5403	.000 185 082	5453	.000 183 385	5503	.000 181 719	5553	.000 180 083
5404	.000 185 048	5454	.000 183 352	5504	.000 181 686	5554	.000 180 05
5405	.000 185 014	5455	.000 183 318	5505	.000 181 653	5555	.000 180 018
5406	.000 184 98	5456	.000 183 284	5506	.000 181 62	5556	.000 179 986
5407	.000 184 945	5457	.000 183 251	5507	.000 181 587	5557	.000 179 953
5408	.000 184 911	5458	.000 183 217	5508	.000 181 554	5558	.000 179 921
5409	.000 184 877	5459	.000 183 184	5509	.000 181 521	5559	.000 179 888
5410	.000 184 843	5460	.000 183 15	5510	.000 181 488	5560	.000 179 856
5411	.000 184 809	5461	.000 183 117	5511	.000 181 455	5561	.000 179 824
5412	.000 184 775	5462	.000 183 083	5512	.000 181 422	5562	.000 179 791
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5414	.000 184 706	5464	.000 183 016	5514	.000 181 357	5564	.000 179 727
5415	.000 184 672	5465	.000 182 983	5515	.000 181 324	5565	.000 179 695
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5418	.000 184 57	5468	.000 182 882	5518	.000 181 225	5568	.000 179 598
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5421	.000 184 468	5471	.000 182 782	5521	.000 181 127	5571	.000 179 501
5422	.000 184 434	5472	.000 182 749	5522	.000 181 094	5572	.000 179 469
5423	.000 184 4	5473	.000 182 715	5523	.000 181 061	5573	.000 179 437
5424	.000 184 366	5474	.000 182 682	5524	.000 181 028	5574	.000 179 404
5425	.000 184 332	5475	.000 182 648	5525	.000 180 995	5575	.000 179 372
5426	.000 184 298	5476	.000 182 615	5526	.000 180 963	5576	.000 179 34
5427	.000 184 264	5477	.000 182 582	5527	.000 180 93	5577	.000 179 308
5428	.000 184 23	5478	.000 182 548	5528	.000 180 897	5578	.000 179 276
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5430	.000 184 162	5480	.000 182 482	5530	.000 180 832	5580	.000 179 211
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5432	.000 184 094	5482	.000 182 415	5532	.000 180 766	5582	.000 179 147
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5437	.000 183 925	5487	.000 182 249	5537	.000 180 603	5587	.000 178 987
5438	.000 183 891	5488	.000 182 216	5538	.000 180 571	5588	.000 178 955
5439	.000 183 857	5489	.000 182 183	5539	.000 180 538	5589	.000 178 923
5440	.000 183 824	5490	.000 182 149	5540	.000 180 505	5590	.000 178 891
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5444	.000 183 688	5494	.000 182 017	5544	.000 180 375	5594	.000 178 763
5445	.000 183 655	5495	.000 181 984	5545	.000 180 343	5595	.000 178 731
5446	.000 183 621	5496	.000 181 951	5546	.000 180 31	5596	.000 178 699
5447	.000 183 587	5497	.000 181 917	5547	.000 180 278	5597	.000 178 667
5448	.000 183 554	5498	.000 181 884	5548	.000 180 245	5598	.000 178 635
5449	.000 183 52	5499	.000 181 851	5549	.000 180 213	5599	.000 178 603
5450	.000 183 486	5500	.000 181 818	5550	.000 180 18	5600	.000 178 571

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5603	.000 178 476	5653	.000 176 897	5703	.000 175 346	5753	.000 173 822
5604	.000 178 444	5654	.000 176 866	5704	.000 175 316	5754	.000 173 792
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5606	.000 178 38	5656	.000 176 803	5706	.000 175 254	5756	.000 173 732
5607	.000 178 348	5657	.000 176 772	5707	.000 175 223	5757	.000 173 702
5608	.000 178 317	5658	.000 176 741	5708	.000 175 193	5758	.000 173 671
5609	.000 178 285	5659	.000 176 71	5709	.000 175 162	5759	.000 173 641
5610	.000 178 253	5660	.000 176 678	5710	.000 175 131	5760	.000 173 611
5611	.000 178 221	5661	.000 176 647	5711	.000 175 101	5761	.000 173 581
5612	.000 178 19	5662	.000 176 616	5712	.000 175 07	5762	.000 173 551
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5614	.000 178 126	5664	.000 176 554	5714	.000 175 009	5764	.000 173 491
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5621	.000 177 904	5671	.000 176 336	5721	.000 174 795	5771	.000 173 28
5622	.000 177 873	5672	.000 176 305	5722	.000 174 764	5772	.000 173 25
5623	.000 177 841	5673	.000 176 274	5723	.000 174 734	5773	.000 173 22
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5625	.000 177 778	5675	.000 176 211	5725	.000 174 672	5775	.000 173 16
5626	.000 177 746	5676	.000 176 18	5726	.000 174 642	5776	.000 173 13
5627	.000 177 715	5677	.000 176 149	5727	.000 174 611	5777	.000 173 1
5628	.000 177 683	5678	.000 176 118	5728	.000 174 581	5778	.000 173 07
5629	.000 177 651	5679	.000 176 087	5729	.000 174 551	5779	.000 173 04
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5631	.000 177 588	5681	.000 176 025	5731	.000 174 49	5781	.000 172 98
5632	.000 177 557	5682	.000 175 994	5732	.000 174 459	5782	.000 172 951
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5634	.000 177 494	5684	.000 175 932	5734	.000 174 398	5784	.000 172 891
5635	.000 177 462	5685	.000 175 901	5735	.000 174 368	5785	.000 172 861
5636	.000 177 431	5686	.000 175 871	5736	.000 174 338	5786	.000 172 831
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5640	.000 177 305	5690	.000 175 747	5740	.000 174 216	5790	.000 172 712
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5642	.000 177 242	5692	.000 175 685	5742	.000 174 155	5792	.000 172 652
5643	.000 177 211	5693	.000 175 654	5743	.000 174 125	5793	.000 172 622
5644	.000 177 179	5694	.000 175 623	5744	.000 174 095	5794	.000 172 592
5645	.000 177 148	5695	.000 175 593	5745	.000 174 064	5795	.000 172 563
5646	.000 177 117	5696	.000 175 562	5746	.000 174 034	5796	.000 172 533
5647	.000 177 085	5697	.000 175 531	5747	.000 174 004	5797	.000 172 503
5648	.000 177 054	5698	.000 175 5	5748	.000 173 974	5798	.000 172 473
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5803	.000 172 325	5853	.000 170 853	5903	.000 169 405	5953	.000 167 983
5804	.000 172 295	5854	.000 170 823	5904	.000 169 377	5954	.000 167 954
5805	.000 172 265	5855	.000 170 794	5905	.000 169 348	5955	.000 167 926
5806	.000 172 236	5856	.000 170 765	5906	.000 169 319	5956	.000 167 898
5807	.000 172 206	5857	.000 170 736	5907	.000 169 291	5957	.000 167 87
5808	.000 172 176	5858	.000 170 707	5908	.000 169 262	5958	.000 167 842
5809	.000 172 147	5859	.000 170 678	5909	.000 169 233	5959	.000 167 813
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5811	.000 172 087	5861	.000 170 619	5911	.000 169 176	5961	.000 167 757
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5818	.000 171 88	5868	.000 170 416	5918	.000 168 976	5968	.000 167 56
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5820	.000 171 821	5870	.000 170 358	5920	.000 168 919	5970	.000 167 504
5821	.000 171 792	5871	.000 170 329	5921	.000 168 89	5971	.000 167 476
5822	.000 171 762	5872	.000 170 3	5922	.000 168 862	5972	.000 167 448
5823	.000 171 733	5873	.000 170 271	5923	.000 168 833	5973	.000 167 42
5824	.000 171 703	5874	.000 170 242	5924	.000 168 805	5974	.000 167 392
5825	.000 171 674	5875	.000 170 213	5925	.000 168 776	5975	.000 167 364
5826	.000 171 644	5876	.000 170 184	5926	.000 168 748	5976	.000 167 336
5827	.000 171 615	5877	.000 170 155	5927	.000 168 719	5977	.000 167 308
5828	.000 171 585	5878	.000 170 126	5928	.000 168 691	5978	.000 167 28
5829	.000 171 556	5879	.000 170 097	5929	.000 168 663	5979	.000 167 252
5830	.000 171 527	5880	.000 170 068	5930	.000 168 634	5980	.000 167 224
5831	.000 171 497	5881	.000 170 039	5931	.000 168 606	5981	.000 167 196
5832	.000 171 468	5882	.000 170 01	5932	.000 168 577	5982	.000 167 168
5833	.000 171 438	5883	.000 169 981	5933	.000 168 549	5983	.000 167 14
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5835	.000 171 38	5885	.000 169 924	5935	.000 168 492	5985	.000 167 084
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5839	.000 171 262	5889	.000 169 808	5939	.000 168 379	5989	.000 166 973
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5841	.000 171 204	5891	.000 169 75	5941	.000 168 322	5991	.000 166 917
5842	.000 171 174	5892	.000 169 722	5942	.000 168 294	5992	.000 166 889
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5844	.000 171 116	5894	.000 169 664	5944	.000 168 237	5994	.000 166 833
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5846	.000 171 057	5896	.000 169 607	5946	.000 168 18	5996	.000 166 778
5847	.000 171 028	5897	.000 169 578	5947	.000 168 152	5997	.000 166 75
5848	.000 170 999	5898	.000 169 549	5948	.000 168 124	5998	.000 166 722
5849	.000 170 969	5899	.000 169 52	5949	.000 168 095	5999	.000 166 694
5850	.000 170 94	5900	.000 169 492	5950	.000 168 067	6000	.000 166 667

6001	.000 166 639	6051	.000 165 262	6101	.000 163 908	6151	.000 162 575
6002	.000 166 611	6052	.000 165 235	6102	.000 163 881	6152	.000 162 549
6003	.000 166 583	6053	.000 165 207	6103	.000 163 854	6153	.000 162 522
6004	.000 166 556	6054	.000 165 18	6104	.000 163 827	6154	.000 162 496
6005	.000 166 528	6055	.000 165 153	6105	.000 163 8	6155	.000 162 47
6006	.000 166 5	6056	.000 165 125	6106	.000 163 773	6156	.000 162 443
6007	.000 166 472	6057	.000 165 098	6107	.000 163 747	6157	.000 162 417
6008	.000 166 445	6058	.000 165 071	6108	.000 163 72	6158	.000 162 39
6009	.000 166 417	6059	.000 165 044	6109	.000 163 693	6159	.000 162 364
6010	.000 166 389	6060	.000 165 017	6110	.000 163 666	6160	.000 162 338
6011	.000 166 362	6061	.000 164 989	6111	.000 163 639	6161	.000 162 311
6012	.000 166 334	6062	.000 164 962	6112	.000 163 613	6162	.000 162 285
6013	.000 166 306	6063	.000 164 935	6113	.000 163 586	6163	.000 162 259
6014	.000 166 279	6064	.000 164 908	6114	.000 163 559	6164	.000 162 232
6015	.000 166 251	6065	.000 164 88	6115	.000 163 532	6165	.000 162 206
6016	.000 166 223	6066	.000 164 853	6116	.000 163 506	6166	.000 162 18
6017	.000 166 196	6067	.000 164 826	6117	.000 163 479	6167	.000 162 153
6018	.000 166 168	6068	.000 164 799	6118	.000 163 452	6168	.000 162 127
6019	.000 166 141	6069	.000 164 772	6119	.000 163 425	6169	.000 162 101
6020	.000 166 113	6070	.000 164 745	6120	.000 163 399	6170	.000 162 075
6021	.000 166 085	6071	.000 164 718	6121	.000 163 372	6171	.000 162 048
6022	.000 166 058	6072	.000 164 69	6122	.000 163 345	6172	.000 162 022
6023	.000 166 03	6073	.000 164 663	6123	.000 163 319	6173	.000 161 996
6024	.000 166 003	6074	.000 164 636	6124	.000 163 292	6174	.000 161 97
6025	.000 165 975	6075	.000 164 609	6125	.000 163 265	6175	.000 161 943
6026	.000 165 948	6076	.000 164 582	6126	.000 163 239	6176	.000 161 917
6027	.000 165 92	6077	.000 164 555	6127	.000 163 212	6177	.000 161 891
6028	.000 165 893	6078	.000 164 528	6128	.000 163 185	6178	.000 161 865
6029	.000 165 865	6079	.000 164 501	6129	.000 163 159	6179	.000 161 838
6030	.000 165 837	6080	.000 164 474	6130	.000 163 132	6180	.000 161 812
6031	.000 165 81	6081	.000 164 447	6131	.000 163 106	6181	.000 161 786
6032	.000 165 782	6082	.000 164 42	6132	.000 163 079	6182	.000 161 76
6033	.000 165 755	6083	.000 164 393	6133	.000 163 052	6183	.000 161 734
6034	.000 165 728	6084	.000 164 366	6134	.000 163 026	6184	.000 161 708
6035	.000 165 7	6085	.000 164 339	6135	.000 162 999	6185	.000 161 681
6036	.000 165 673	6086	.000 164 312	6136	.000 162 973	6186	.000 161 655
6037	.000 165 645	6087	.000 164 285	6137	.000 162 946	6187	.000 161 629
6038	.000 165 618	6088	.000 164 258	6138	.000 162 92	6188	.000 161 603
6039	.000 165 59	6089	.000 164 231	6139	.000 162 893	6189	.000 161 577
6040	.000 165 563	6090	.000 164 204	6140	.000 162 866	6190	.000 161 551
6041	.000 165 536	6091	.000 164 177	6141	.000 162 84	6191	.000 161 525
6042	.000 165 508	6092	.000 164 15	6142	.000 162 813	6192	.000 161 499
6043	.000 165 481	6093	.000 164 123	6143	.000 162 787	6193	.000 161 473
6044	.000 165 453	6094	.000 164 096	6144	.000 162 76	6194	.000 161 447
6045	.000 165 426	6095	.000 164 069	6145	.000 162 734	6195	.000 161 421
6046	.000 165 399	6096	.000 164 042	6146	.000 162 707	6196	.000 161 394
6047	.000 165 371	6097	.000 164 015	6147	.000 162 681	6197	.000 161 368
6048	.000 165 344	6098	.000 163 988	6148	.000 162 655	6198	.000 161 342
6049	.000 165 317	6099	.000 163 961	6149	.000 162 628	6199	.000 161 316
6050	.000 165 289	6100	.000 163 934	6150	.000 162 602	6200	.000 161 29

6201	.000 161 264	6251	.000 159 974	6301	.000 158 705	6351	.000 157 456
6202	.000 161 238	6252	.000 159 949	6302	.000 158 68	6352	.000 157 431
6203	.000 161 212	6253	.000 159 923	6303	.000 158 655	6353	.000 157 406
6204	.000 161 186	6254	.000 159 898	6304	.000 158 629	6354	.000 157 381
6205	.000 161 16	6255	.000 159 872	6305	.000 158 604	6355	.000 157 356
6206	.000 161 134	6256	.000 159 847	6306	.000 158 579	6356	.000 157 332
6207	.000 161 108	6257	.000 159 821	6307	.000 158 554	6357	.000 157 307
6208	.000 161 082	6258	.000 159 795	6308	.000 158 529	6358	.000 157 282
6209	.000 161 057	6259	.000 159 77	6309	.000 158 504	6359	.000 157 257
6210	.000 161 031	6260	.000 159 744	6310	.000 158 479	6360	.000 157 233
6211	.000 161 005	6261	.000 159 719	6311	.000 158 453	6361	.000 157 208
6212	.000 160 979	6262	.000 159 693	6312	.000 158 428	6362	.000 157 183
6213	.000 160 953	6263	.000 159 668	6313	.000 158 403	6363	.000 157 159
6214	.000 160 927	6264	.000 159 642	6314	.000 158 378	6364	.000 157 134
6215	.000 160 901	6265	.000 159 617	6315	.000 158 353	6365	.000 157 109
6216	.000 160 875	6266	.000 159 591	6316	.000 158 328	6366	.000 157 085
6217	.000 160 849	6267	.000 159 566	6317	.000 158 303	6367	.000 157 06
6218	.000 160 823	6268	.000 159 541	6318	.000 158 278	6368	.000 157 035
6219	.000 160 798	6269	.000 159 515	6319	.000 158 253	6369	.000 157 011
6220	.000 160 772	6270	.000 159 49	6320	.000 158 228	6370	.000 156 986
6221	.000 160 746	6271	.000 159 464	6321	.000 158 203	6371	.000 156 961
6222	.000 160 72	6272	.000 159 439	6322	.000 158 178	6372	.000 156 937
6223	.000 160 694	6273	.000 159 413	6323	.000 158 153	6373	.000 156 912
6224	.000 160 668	6274	.000 159 388	6324	.000 158 128	6374	.000 156 887
6225	.000 160 643	6275	.000 159 363	6325	.000 158 103	6375	.000 156 863
6226	.000 160 617	6276	.000 159 337	6326	.000 158 078	6376	.000 156 838
6227	.000 160 591	6277	.000 159 312	6327	.000 158 053	6377	.000 156 814
6228	.000 160 565	6278	.000 159 286	6328	.000 158 028	6378	.000 156 789
6229	.000 160 539	6279	.000 159 261	6329	.000 158 003	6379	.000 156 764
6230	.000 160 514	6280	.000 159 236	6330	.000 157 978	6380	.000 156 74
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6232	.000 160 462	6282	.000 159 185	6332	.000 157 928	6382	.000 156 691
6233	.000 160 436	6283	.000 159 16	6333	.000 157 903	6383	.000 156 666
6234	.000 160 411	6284	.000 159 134	6334	.000 157 878	6384	.000 156 642
6235	.000 160 385	6285	.000 159 109	6335	.000 157 853	6385	.000 156 617
6236	.000 160 359	6286	.000 159 084	6336	.000 157 828	6386	.000 156 593
6237	.000 160 333	6287	.000 159 058	6337	.000 157 803	6387	.000 156 568
6238	.000 160 308	6288	.000 159 033	6338	.000 157 778	6388	.000 156 544
6239	.000 160 282	6289	.000 159 008	6339	.000 157 754	6389	.000 156 519
6240	.000 160 256	6290	.000 158 983	6340	.000 157 729	6390	.000 156 495
6241	.000 160 231	6291	.000 158 957	6341	.000 157 704	6391	.000 156 47
6242	.000 160 205	6292	.000 158 932	6342	.000 157 679	6392	.000 156 446
6243	.000 160 179	6293	.000 158 907	6343	.000 157 654	6393	.000 156 421
6244	.000 160 154	6294	.000 158 881	6344	.000 157 629	6394	.000 156 397
6245	.000 160 128	6295	.000 158 856	6345	.000 157 604	6395	.000 156 372
6246	.000 160 102	6296	.000 158 831	6346	.000 157 58	6396	.000 156 348
6247	.000 160 077	6297	.000 158 806	6347	.000 157 555	6397	.000 156 323
6248	.000 160 051	6298	.000 158 781	6348	.000 157 53	6398	.000 156 299
6249	.000 160 026	6299	.000 158 755	6349	.000 157 505	6399	.000 156 274
6250	.000 16	6300	.000 158 73	6350	.000 157 48	6400	.000 156 25

6401	.000 156 226	6451	.000 155 015	6501	.000 153 822	6551	.000 152 648
6402	.000 156 201	6452	.000 154 991	6502	.000 153 799	6552	.000 152 625
6403	.000 156 177	6453	.000 154 967	6503	.000 153 775	6553	.000 152 602
6404	.000 156 152	6454	.000 154 943	6504	.000 153 752	6554	.000 152 579
6405	.000 156 128	6455	.000 154 919	6505	.000 153 728	6555	.000 152 555
6406	.000 156 104	6456	.000 154 895	6506	.000 153 704	6556	.000 152 532
6407	.000 156 079	6457	.000 154 871	6507	.000 153 681	6557	.000 152 509
6408	.000 156 055	6458	.000 154 847	6508	.000 153 657	6558	.000 152 486
6409	.000 156 031	6459	.000 154 823	6509	.000 153 633	6559	.000 152 462
6410	.000 156 006	6460	.000 154 799	6510	.000 153 61	6560	.000 152 459
6411	.000 155 982	6461	.000 154 775	6511	.000 153 586	6561	.000 152 416
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6414	.000 155 909	6464	.000 154 703	6514	.000 153 516	6564	.000 152 346
6415	.000 155 885	6465	.000 154 679	6515	.000 153 492	6565	.000 152 323
6416	.000 155 86	6466	.000 154 655	6516	.000 153 468	6566	.000 152 3
6417	.000 155 836	6467	.000 154 631	6517	.000 153 445	6567	.000 152 277
6418	.000 155 812	6468	.000 154 607	6518	.000 153 421	6568	.000 152 253
6419	.000 155 788	6469	.000 154 583	6519	.000 153 398	6569	.000 152 23
6420	.000 155 763	6470	.000 154 56	6520	.000 153 374	6570	.000 152 207
6421	.000 155 739	6471	.000 154 536	6521	.000 153 351	6571	.000 152 184
6422	.000 155 715	6472	.000 154 512	6522	.000 153 327	6572	.000 152 161
6423	.000 155 69	6473	.000 154 488	6523	.000 153 304	6573	.000 152 138
6424	.000 155 666	6474	.000 154 464	6524	.000 153 28	6574	.000 152 114
6425	.000 155 642	6475	.000 154 44	6525	.000 153 257	6575	.000 152 091
6426	.000 155 618	6476	.000 154 416	6526	.000 153 233	6576	.000 152 068
6427	.000 155 594	6477	.000 154 392	6527	.000 153 21	6577	.000 152 045
6428	.000 155 569	6478	.000 154 369	6528	.000 153 186	6578	.000 152 021
6429	.000 155 545	6479	.000 154 345	6529	.000 153 163	6579	.000 151 999
6430	.000 155 521	6480	.000 154 321	6530	.000 153 139	6580	.000 151 976
6431	.000 155 497	6481	.000 154 297	6531	.000 153 116	6581	.000 151 953
6432	.000 155 473	6482	.000 154 273	6532	.000 153 092	6582	.000 151 93
6433	.000 155 448	6483	.000 154 25	6533	.000 153 069	6583	.000 151 906
6434	.000 155 424	6484	.000 154 226	6534	.000 153 046	6584	.000 151 883
6435	.000 155 4	6485	.000 154 202	6535	.000 153 022	6585	.000 151 86
6436	.000 155 376	6486	.000 154 178	6536	.000 152 999	6586	.000 151 837
6437	.000 155 352	6487	.000 154 154	6537	.000 152 975	6587	.000 151 814
6438	.000 155 328	6488	.000 154 131	6538	.000 152 952	6588	.000 151 791
6439	.000 155 304	6489	.000 154 107	6539	.000 152 929	6589	.000 151 768
6440	.000 155 28	6490	.000 154 083	6540	.000 152 905	6590	.000 151 745
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6443	.000 155 207	6493	.000 154 012	6543	.000 152 835	6593	.000 151 676
6444	.000 155 183	6494	.000 153 988	6544	.000 152 812	6594	.000 151 653
6445	.000 155 159	6495	.000 153 965	6545	.000 152 788	6595	.000 151 63
6446	.000 155 135	6496	.000 153 941	6546	.000 152 765	6596	.000 151 607
6447	.000 155 111	6497	.000 153 917	6547	.000 152 742	6597	.000 151 584
6448	.000 155 087	6498	.000 153 894	6548	.000 152 718	6598	.000 151 561
6449	.000 155 063	6499	.000 153 87	6549	.000 152 695	6599	.000 151 538
6450	.000 155 039	6500	.000 153 846	6550	.000 152 672	6600	.000 151 515

6601	.000 151 492	6651	.000 150 353	6701	.000 149 231	6751	.000 148 126
6602	.000 151 469	6652	.000 150 331	6702	.000 149 209	6752	.000 148 104
6603	.000 151 446	6653	.000 150 308	6703	.000 149 187	6753	.000 148 082
6604	.000 151 423	6654	.000 150 286	6704	.000 149 165	6754	.000 148 06
6605	.000 151 4	6655	.000 150 263	6705	.000 149 142	6755	.000 148 038
6606	.000 151 378	6656	.000 150 24	6706	.000 149 12	6756	.000 148 017
6607	.000 151 355	6657	.000 150 218	6707	.000 149 098	6757	.000 147 995
6608	.000 151 332	6658	.000 150 195	6708	.000 149 076	6758	.000 147 973
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6610	.000 151 286	6660	.000 150 15	6710	.000 149 031	6760	.000 147 929
6611	.000 151 263	6661	.000 150 128	6711	.000 149 009	6761	.000 147 907
6612	.000 151 24	6662	.000 150 105	6712	.000 148 987	6762	.000 147 885
6613	.000 151 217	6663	.000 150 083	6713	.000 148 965	6763	.000 147 863
6614	.000 151 194	6664	.000 150 06	6714	.000 148 943	6764	.000 147 842
6615	.000 151 172	6665	.000 150 038	6715	.000 148 92	6765	.000 147 82
6616	.000 151 149	6666	.000 150 015	6716	.000 148 898	6766	.000 147 798
6617	.000 151 126	6667	.000 149 993	6717	.000 148 876	6767	.000 147 776
6618	.000 151 103	6668	.000 149 97	6718	.000 148 854	6768	.000 147 754
6619	.000 151 08	6669	.000 149 948	6719	.000 148 832	6769	.000 147 732
6620	.000 151 057	6670	.000 149 925	6720	.000 148 81	6770	.000 147 71
6621	.000 151 035	6671	.000 149 903	6721	.000 148 787	6771	.000 147 689
6622	.000 151 012	6672	.000 149 88	6722	.000 148 765	6772	.000 147 667
6623	.000 150 989	6673	.000 149 858	6723	.000 148 743	6773	.000 147 645
6624	.000 150 966	6674	.000 149 835	6724	.000 148 721	6774	.000 147 623
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6626	.000 150 921	6676	.000 149 79	6726	.000 148 677	6776	.000 147 58
6627	.000 150 898	6677	.000 149 768	6727	.000 148 655	6777	.000 147 558
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6629	.000 150 852	6679	.000 149 723	6729	.000 148 61	6779	.000 147 514
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6632	.000 150 784	6682	.000 149 656	6732	.000 148 544	6782	.000 147 449
6633	.000 150 761	6683	.000 149 633	6733	.000 148 522	6783	.000 147 427
6634	.000 150 739	6684	.000 149 611	6734	.000 148 5	6784	.000 147 406
6635	.000 150 716	6685	.000 149 589	6735	.000 148 478	6785	.000 147 384
6636	.000 150 693	6686	.000 149 566	6736	.000 148 456	6786	.000 147 362
6637	.000 150 67	6687	.000 149 544	6737	.000 148 434	6787	.000 147 341
6638	.000 150 648	6688	.000 149 522	6738	.000 148 412	6788	.000 147 319
6639	.000 150 625	6689	.000 149 499	6739	.000 148 39	6789	.000 147 297
6640	.000 150 602	6690	.000 149 477	6740	.000 148 368	6790	.000 147 275
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6647	.000 150 444	6697	.000 149 321	6747	.000 148 214	6797	.000 147 124
6648	.000 150 421	6698	.000 149 298	6748	.000 148 192	6798	.000 147 102
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6650	.000 150 376	6700	.000 149 254	6750	.000 148 148	6800	.000 147 059

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6805	.000 146 951	6855	.000 145 879	6905	.000 144 823	6955	.000 143 781
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6807	.000 146 908	6857	.000 145 836	6907	.000 144 781	6957	.000 143 74
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6812	.000 146 8	6862	.000 145 73	6912	.000 144 676	6962	.000 143 637
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6814	.000 146 757	6864	.000 145 688	6914	.000 144 634	6964	.000 143 596
6815	.000 146 735	6865	.000 145 666	6915	.000 144 613	6965	.000 143 575
6816	.000 146 714	6866	.000 145 645	6916	.000 144 592	6966	.000 143 554
6817	.000 146 692	6867	.000 145 624	6917	.000 144 571	6967	.000 143 534
6818	.000 146 671	6868	.000 145 603	6918	.000 144 55	6968	.000 143 513
6819	.000 146 649	6869	.000 145 582	6919	.000 144 53	6969	.000 143 493
6820	.000 146 628	6870	.000 145 56	6920	.000 144 509	6970	.000 143 472
6821	.000 146 606	6871	.000 145 539	6921	.000 144 488	6971	.000 143 451
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6823	.000 146 563	6873	.000 145 497	6923	.000 144 446	6973	.000 143 41
6824	.000 146 542	6874	.000 145 476	6924	.000 144 425	6974	.000 143 39
6825	.000 146 52	6875	.000 145 455	6925	.000 144 404	6975	.000 143 369
6826	.000 146 499	6876	.000 145 433	6926	.000 144 383	6976	.000 143 349
6827	.000 146 477	6877	.000 145 412	6927	.000 144 363	6977	.000 143 328
6828	.000 146 456	6878	.000 145 391	6928	.000 144 342	6978	.000 143 308
6829	.000 146 434	6879	.000 145 37	6929	.000 144 321	6979	.000 143 287
6830	.000 146 413	6880	.000 145 349	6930	.000 144 3	6980	.000 143 266
6831	.000 146 391	6881	.000 145 328	6931	.000 144 279	6981	.000 143 246
6832	.000 146 37	6882	.000 145 307	6932	.000 144 259	6982	.000 143 225
6833	.000 146 349	6883	.000 145 285	6933	.000 144 238	6983	.000 143 205
6834	.000 146 327	6884	.000 145 264	6934	.000 144 217	6984	.000 143 184
6835	.000 146 306	6885	.000 145 243	6935	.000 144 196	6985	.000 143 164
6836	.000 146 284	6886	.000 145 222	6936	.000 144 175	6986	.000 143 143
6837	.000 146 263	6887	.000 145 201	6937	.000 144 155	6987	.000 143 123
6838	.000 146 242	6888	.000 145 18	6938	.000 144 134	6988	.000 143 102
6839	.000 146 22	6889	.000 145 159	6939	.000 144 113	6989	.000 143 082
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6841	.000 146 177	6891	.000 145 117	6941	.000 144 071	6991	.000 143 041
6842	.000 146 156	6892	.000 145 096	6942	.000 144 051	6992	.000 143 021
6843	.000 146 135	6893	.000 145 075	6943	.000 144 03	6993	.000 143
6844	.000 146 113	6894	.000 145 054	6944	.000 144 009	6994	.000 142 98
6845	.000 146 092	6895	.000 145 033	6945	.000 143 988	6995	.000 142 959
6846	.000 146 071	6896	.000 145 012	6946	.000 143 968	6996	.000 142 939
6847	.000 146 049	6897	.000 144 991	6947	.000 143 947	6997	.000 142 918
6848	.000 146 028	6898	.000 144 97	6948	.000 143 926	6998	.000 142 898
6849	.000 146 007	6899	.000 144 949	6949	.000 143 906	6999	.000 142 878
6850	.000 145 985	6900	.000 144 928	6950	.000 143 885	7000	.000 142 857

7001	.000 142 837	7051	.000 141 824	7101	.000 140 825	7151	.000 139 841
7002	.000 142 816	7052	.000 141 804	7102	.000 140 805	7152	.000 139 821
7003	.000 142 796	7053	.000 141 784	7103	.000 140 786	7153	.000 139 801
7004	.000 142 776	7054	.000 141 764	7104	.000 140 766	7154	.000 139 782
7005	.000 142 755	7055	.000 141 743	7105	.000 140 746	7155	.000 139 762
7006	.000 142 735	7056	.000 141 723	7106	.000 140 726	7156	.000 139 743
7007	.000 142 714	7057	.000 141 703	7107	.000 140 706	7157	.000 139 723
7008	.000 142 694	7058	.000 141 683	7108	.000 140 687	7158	.000 139 704
7009	.000 142 674	7059	.000 141 663	7109	.000 140 667	7159	.000 139 684
7010	.000 142 653	7060	.000 141 643	7110	.000 140 647	7160	.000 139 665
7011	.000 142 633	7061	.000 141 623	7111	.000 140 627	7161	.000 139 645
7012	.000 142 613	7062	.000 141 603	7112	.000 140 607	7162	.000 139 626
7013	.000 142 592	7063	.000 141 583	7113	.000 140 588	7163	.000 139 606
7014	.000 142 572	7064	.000 141 563	7114	.000 140 568	7164	.000 139 587
7015	.000 142 552	7065	.000 141 543	7115	.000 140 548	7165	.000 139 567
7016	.000 142 531	7066	.000 141 523	7116	.000 140 528	7166	.000 139 548
7017	.000 142 511	7067	.000 141 503	7117	.000 140 509	7167	.000 139 528
7018	.000 142 491	7068	.000 141 483	7118	.000 140 489	7168	.000 139 509
7019	.000 142 47	7069	.000 141 463	7119	.000 140 469	7169	.000 139 489
7020	.000 142 45	7070	.000 141 443	7120	.000 140 449	7170	.000 139 47
7021	.000 142 43	7071	.000 141 423	7121	.000 140 43	7171	.000 139 451
7022	.000 142 41	7072	.000 141 403	7122	.000 140 41	7172	.000 139 431
7023	.000 142 389	7073	.000 141 383	7123	.000 140 39	7173	.000 139 412
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7026	.000 142 328	7076	.000 141 323	7126	.000 140 331	7176	.000 139 353
7027	.000 142 308	7077	.000 141 303	7127	.000 140 311	7177	.000 139 334
7028	.000 142 288	7078	.000 141 283	7128	.000 140 292	7178	.000 139 315
7029	.000 142 268	7079	.000 141 263	7129	.000 140 272	7179	.000 139 295
7030	.000 142 248	7080	.000 141 243	7130	.000 140 252	7180	.000 139 276
7031	.000 142 227	7081	.000 141 223	7131	.000 140 233	7181	.000 139 256
7032	.000 142 207	7082	.000 141 203	7132	.000 140 213	7182	.000 139 237
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7034	.000 142 167	7084	.000 141 163	7134	.000 140 174	7184	.000 139 198
7035	.000 142 146	7085	.000 141 143	7135	.000 140 154	7185	.000 139 179
7036	.000 142 126	7086	.000 141 123	7136	.000 140 135	7186	.000 139 159
7037	.000 142 106	7087	.000 141 103	7137	.000 140 115	7187	.000 139 14
7038	.000 142 086	7088	.000 141 084	7138	.000 140 095	7188	.000 139 121
7039	.000 142 066	7089	.000 141 064	7139	.000 140 076	7189	.000 139 101
7040	.000 142 045	7090	.000 141 044	7140	.000 140 056	7190	.000 139 082
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7042	.000 142 005	7092	.000 141 004	7142	.000 140 017	7192	.000 139 043
7043	.000 141 985	7093	.000 140 984	7143	.000 139 997	7193	.000 139 024
7044	.000 141 965	7094	.000 140 964	7144	.000 139 978	7194	.000 139 005
7045	.000 141 945	7095	.000 140 944	7145	.000 139 958	7195	.000 138 985
7046	.000 141 924	7096	.000 140 924	7146	.000 139 938	7196	.000 138 966
7047	.000 141 904	7097	.000 140 905	7147	.000 139 919	7197	.000 138 947
7048	.000 141 884	7098	.000 140 885	7148	.000 139 899	7198	.000 138 927
7049	.000 141 864	7099	.000 140 865	7149	.000 139 88	7199	.000 138 908
7050	.000 141 844	7100	.000 140 845	7150	.000 139 86	7200	.000 138 889

7201	.000 138 87	7251	.000 137 912	7301	.000 136 968	7351	.000 136 036
7202	.000 138 85	7252	.000 137 893	7302	.000 136 949	7352	.000 136 017
7203	.000 138 831	7253	.000 137 874	7303	.000 136 93	7353	.000 135 999
7204	.000 138 812	7254	.000 137 855	7304	.000 136 911	7354	.000 135 98
7205	.000 138 793	7255	.000 137 836	7305	.000 136 893	7355	.000 135 962
7206	.000 138 773	7256	.000 137 817	7306	.000 136 874	7356	.000 135 943
7207	.000 138 754	7257	.000 137 798	7307	.000 136 855	7357	.000 135 925
7208	.000 138 735	7258	.000 137 779	7308	.000 136 836	7358	.000 135 906
7209	.000 138 715	7259	.000 137 76	7309	.000 136 818	7359	.000 135 888
7210	.000 138 696	7260	.000 137 741	7310	.000 136 799	7360	.000 135 87
7211	.000 138 677	7261	.000 137 722	7311	.000 136 78	7361	.000 135 851
7212	.000 138 658	7262	.000 137 703	7312	.000 136 761	7362	.000 135 833
7213	.000 138 639	7263	.000 137 684	7313	.000 136 743	7363	.000 135 814
7214	.000 138 619	7264	.000 137 665	7314	.000 136 724	7364	.000 135 796
7215	.000 138 6	7265	.000 137 646	7315	.000 136 705	7365	.000 135 777
7216	.000 138 581	7266	.000 137 627	7316	.000 136 687	7366	.000 135 759
7217	.000 138 562	7267	.000 137 608	7317	.000 136 668	7367	.000 135 74
7218	.000 138 543	7268	.000 137 589	7318	.000 136 649	7368	.000 135 722
7219	.000 138 523	7269	.000 137 571	7319	.000 136 631	7369	.000 135 704
7220	.000 138 504	7270	.000 137 552	7320	.000 136 612	7370	.000 135 685
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7222	.000 138 466	7272	.000 137 514	7322	.000 136 575	7372	.000 135 648
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7224	.000 138 427	7274	.000 137 476	7324	.000 136 537	7374	.000 135 612
7225	.000 138 408	7275	.000 137 457	7325	.000 136 519	7375	.000 135 593
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7227	.000 138 37	7277	.000 137 419	7327	.000 136 482	7377	.000 135 556
7228	.000 138 351	7278	.000 137 4	7328	.000 136 463	7378	.000 135 538
7229	.000 138 332	7279	.000 137 382	7329	.000 136 444	7379	.000 135 52
7230	.000 138 313	7280	.000 137 363	7330	.000 136 426	7380	.000 135 501
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7232	.000 138 274	7282	.000 137 325	7332	.000 136 388	7382	.000 135 465
7233	.000 138 255	7283	.000 137 306	7333	.000 136 37	7383	.000 135 446
7234	.000 138 236	7284	.000 137 287	7334	.000 136 351	7384	.000 135 428
7235	.000 138 217	7285	.000 137 268	7335	.000 136 333	7385	.000 135 41
7236	.000 138 198	7286	.000 137 25	7336	.000 136 314	7386	.000 135 391
7237	.000 138 179	7287	.000 137 231	7337	.000 136 295	7387	.000 135 373
7238	.000 138 16	7288	.000 137 212	7338	.000 136 277	7388	.000 135 355
7239	.000 138 141	7289	.000 137 193	7339	.000 136 258	7389	.000 135 336
7240	.000 138 122	7290	.000 137 174	7340	.000 136 24	7390	.000 135 318
7241	.000 138 102	7291	.000 137 155	7341	.000 136 221	7391	.000 135 3
7242	.000 138 083	7292	.000 137 137	7342	.000 136 203	7392	.000 135 281
7243	.000 138 064	7293	.000 137 118	7343	.000 136 184	7393	.000 135 263
7244	.000 138 045	7294	.000 137 099	7344	.000 136 166	7394	.000 135 245
7245	.000 138 026	7295	.000 137 08	7345	.000 136 147	7395	.000 135 227
7246	.000 138 007	7296	.000 137 061	7346	.000 136 129	7396	.000 135 208
7247	.000 137 988	7297	.000 137 043	7347	.000 136 11	7397	.000 135 19
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7249	.000 137 95	7299	.000 137 005	7349	.000 136 073	7399	.000 135 153
7250	.000 137 931	7300	.000 136 986	7350	.000 136 054	7400	.000 135 135

7401	.000 135 117	7451	.000 134 21	7501	.000 133 316	7551	.000 132 433
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7403	.000 135 08	7453	.000 134 174	7503	.000 133 28	7553	.000 132 398
7404	.000 135 062	7454	.000 134 156	7504	.000 133 262	7554	.000 132 38
7405	.000 135 044	7455	.000 134 138	7505	.000 133 245	7555	.000 132 363
7406	.000 135 026	7456	.000 134 12	7506	.000 133 227	7556	.000 132 345
7407	.000 135 007	7457	.000 134 102	7507	.000 133 209	7557	.000 132 328
7408	.000 134 989	7458	.000 134 084	7508	.000 133 191	7558	.000 132 31
7409	.000 134 971	7459	.000 134 066	7509	.000 133 174	7559	.000 132 293
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7413	.000 134 898	7463	.000 133 994	7513	.000 133 103	7563	.000 132 223
7414	.000 134 88	7464	.000 133 976	7514	.000 133 085	7564	.000 132 205
7415	.000 134 862	7465	.000 133 958	7515	.000 133 067	7565	.000 132 188
7416	.000 134 844	7466	.000 133 941	7516	.000 133 049	7566	.000 132 17
7417	.000 134 825	7467	.000 133 923	7517	.000 133 032	7567	.000 132 153
7418	.000 134 807	7468	.000 133 905	7518	.000 133 014	7568	.000 132 135
7419	.000 134 789	7469	.000 133 887	7519	.000 132 996	7569	.000 132 118
7420	.000 134 771	7470	.000 133 869	7520	.000 132 979	7570	.000 132 1
7421	.000 134 753	7471	.000 133 851	7521	.000 132 961	7571	.000 132 083
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7427	.000 134 644	7477	.000 133 743	7527	.000 132 855	7577	.000 131 978
7428	.000 134 626	7478	.000 133 726	7528	.000 132 837	7578	.000 131 961
7429	.000 134 608	7479	.000 133 708	7529	.000 132 82	7579	.000 131 944
7430	.000 134 59	7480	.000 133 69	7530	.000 132 802	7580	.000 131 926
7431	.000 134 571	7481	.000 133 672	7531	.000 132 784	7581	.000 131 909
7432	.000 134 553	7482	.000 133 654	7532	.000 132 767	7582	.000 131 891
7433	.000 134 535	7483	.000 133 636	7533	.000 132 749	7583	.000 131 874
7434	.000 134 517	7484	.000 133 618	7534	.000 132 732	7584	.000 131 857
7435	.000 134 499	7485	.000 133 601	7535	.000 132 714	7585	.000 131 839
7436	.000 134 481	7486	.000 133 583	7536	.000 132 696	7586	.000 131 822
7437	.000 134 463	7487	.000 133 565	7537	.000 132 679	7587	.000 131 804
7438	.000 134 445	7488	.000 133 547	7538	.000 132 661	7588	.000 131 787
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7440	.000 134 409	7490	.000 133 511	7540	.000 132 626	7590	.000 131 752
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7443	.000 134 354	7493	.000 133 458	7543	.000 132 573	7593	.000 131 7
7444	.000 134 336	7494	.000 133 44	7544	.000 132 556	7594	.000 131 683
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7447	.000 134 282	7497	.000 133 387	7547	.000 132 503	7597	.000 131 631
7448	.000 134 264	7498	.000 133 369	7548	.000 132 485	7598	.000 131 614
7449	.000 134 246	7499	.000 133 351	7549	.000 132 468	7599	.000 131 596
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7603	.000 131 527	7653	.000 130 668	7703	.000 129 82	7753	.000 128 982
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7607	.000 131 458	7657	.000 130 599	7707	.000 129 752	7757	.000 128 916
7608	.000 131 441	7658	.000 130 582	7708	.000 129 735	7758	.000 128 899
7609	.000 131 423	7659	.000 130 565	7709	.000 129 719	7759	.000 128 883
7610	.000 131 406	7660	.000 130 548	7710	.000 129 702	7760	.000 128 866
7611	.000 131 389	7661	.000 130 531	7711	.000 129 685	7761	.000 128 849
7612	.000 131 372	7662	.000 130 514	7712	.000 129 668	7762	.000 128 833
7613	.000 131 354	7663	.000 130 497	7713	.000 129 651	7763	.000 128 816
7614	.000 131 337	7664	.000 130 48	7714	.000 129 634	7764	.000 128 8
7615	.000 131 32	7665	.000 130 463	7715	.000 129 618	7765	.000 128 783
7616	.000 131 303	7666	.000 130 446	7716	.000 129 601	7766	.000 128 766
7617	.000 131 285	7667	.000 130 429	7717	.000 129 584	7767	.000 128 75
7618	.000 131 268	7668	.000 130 412	7718	.000 129 567	7768	.000 128 733
7619	.000 131 251	7669	.000 130 395	7719	.000 129 55	7769	.000 128 717
7620	.000 131 234	7670	.000 130 378	7720	.000 129 53	7770	.000 128 7
7621	.000 131 216	7671	.000 130 361	7721	.000 129 517	7771	.000 128 684
7622	.000 131 199	7672	.000 130 344	7722	.000 129 5	7772	.000 128 667
7623	.000 131 182	7673	.000 130 327	7723	.000 129 483	7773	.000 128 65
7624	.000 131 165	7674	.000 130 31	7724	.000 129 467	7774	.000 128 634
7625	.000 131 148	7675	.000 130 293	7725	.000 129 45	7775	.000 128 617
7626	.000 131 13	7676	.000 130 276	7726	.000 129 433	7776	.000 128 601
7627	.000 131 113	7677	.000 130 259	7727	.000 129 416	7777	.000 128 584
7628	.000 131 096	7678	.000 130 242	7728	.000 129 4	7778	.000 128 568
7629	.000 131 079	7679	.000 130 225	7729	.000 129 383	7779	.000 128 551
7630	.000 131 062	7680	.000 130 208	7730	.000 129 366	7780	.000 128 535
7631	.000 131 044	7681	.000 130 191	7731	.000 129 349	7781	.000 128 518
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7636	.000 130 959	7686	.000 130 107	7736	.000 129 266	7786	.000 128 436
7637	.000 130 941	7687	.000 130 09	7737	.000 129 249	7787	.000 128 419
7638	.000 130 924	7688	.000 130 073	7738	.000 129 232	7788	.000 128 403
7639	.000 130 907	7689	.000 130 056	7739	.000 129 216	7789	.000 128 386
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7641	.000 130 873	7691	.000 130 022	7741	.000 129 182	7791	.000 128 353
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7643	.000 130 839	7693	.000 129 988	7743	.000 129 149	7793	.000 128 32
7644	.000 130 822	7694	.000 129 971	7744	.000 129 132	7794	.000 128 304
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8002	.000 124 969	8052	.000 124 193	8102	.000 123 426	8152	.000 122 669
8003	.000 124 953	8053	.000 124 177	8103	.000 123 411	8153	.000 122 654
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8006	.000 124 906	8056	.000 124 131	8106	.000 123 365	8156	.000 122 609
8007	.000 124 891	8057	.000 124 116	8107	.000 123 35	8157	.000 122 594
8008	.000 124 875	8058	.000 124 1	8108	.000 123 335	8158	.000 122 579
8009	.000 124 86	8059	.000 124 085	8109	.000 123 32	8159	.000 122 564
8010	.000 124 844	8060	.000 124 069	8110	.000 123 305	8160	.000 122 549
8011	.000 124 828	8061	.000 124 054	8111	.000 123 289	8161	.000 122 534
8012	.000 124 813	8062	.000 124 039	8112	.000 123 274	8162	.000 122 519
8013	.000 124 797	8063	.000 124 023	8113	.000 123 259	8163	.000 122 504
8014	.000 124 782	8064	.000 124 008	8114	.000 123 244	8164	.000 122 489
8015	.000 124 766	8065	.000 123 993	8115	.000 123 229	8165	.000 122 474
8016	.000 124 75	8066	.000 123 977	8116	.000 123 213	8166	.000 122 459
8017	.000 124 735	8067	.000 123 962	8117	.000 123 198	8167	.000 122 444
8018	.000 124 719	8068	.000 123 946	8118	.000 123 183	8168	.000 122 429
8019	.000 124 704	8069	.000 123 931	8119	.000 123 168	8169	.000 122 414
8020	.000 124 688	8070	.000 123 916	8120	.000 123 153	8170	.000 122 399
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8023	.000 124 642	8073	.000 123 87	8123	.000 123 107	8173	.000 122 354
8024	.000 124 626	8074	.000 123 854	8124	.000 123 092	8174	.000 122 339
8025	.000 124 611	8075	.000 123 839	8125	.000 123 077	8175	.000 122 324
8026	.000 124 595	8076	.000 123 824	8126	.000 123 062	8176	.000 122 309
8027	.000 124 58	8077	.000 123 808	8127	.000 123 047	8177	.000 122 294
8028	.000 124 564	8078	.000 123 793	8128	.000 123 031	8178	.000 122 279
8029	.000 124 549	8079	.000 123 778	8129	.000 123 016	8179	.000 122 264
8030	.000 124 533	8080	.000 123 762	8130	.000 123 001	8180	.000 122 249
8031	.000 124 517	8081	.000 123 747	8131	.000 122 986	8181	.000 122 234
8032	.000 124 502	8082	.000 123 732	8132	.000 122 971	8182	.000 122 22
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8034	.000 124 471	8084	.000 123 701	8134	.000 122 941	8184	.000 122 19
8035	.000 124 456	8085	.000 123 686	8135	.000 122 926	8185	.000 122 175
8036	.000 124 44	8086	.000 123 671	8136	.000 122 911	8186	.000 122 16
8037	.000 124 425	8087	.000 123 655	8137	.000 122 895	8187	.000 122 145
8038	.000 124 409	8088	.000 123 64	8138	.000 122 88	8188	.000 122 13
8039	.000 124 394	8089	.000 123 625	8139	.000 122 865	8189	.000 122 115
8040	.000 124 378	8090	.000 123 609	8140	.000 122 85	8190	.000 122 1
8041	.000 124 363	8091	.000 123 594	8141	.000 122 835	8191	.000 122 085
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8043	.000 124 332	8093	.000 123 564	8143	.000 122 805	8193	.000 122 055
8044	.000 124 316	8094	.000 123 548	8144	.000 122 79	8194	.000 122 041
8045	.000 124 301	8095	.000 123 533	8145	.000 122 775	8195	.000 122 026
8046	.000 124 285	8096	.000 123 518	8146	.000 122 76	8196	.000 122 011
8047	.000 124 27	8097	.000 123 503	8147	.000 122 745	8197	.000 121 996
8048	.000 124 254	8098	.000 123 487	8148	.000 122 73	8198	.000 121 981
8049	.000 124 239	8099	.000 123 472	8149	.000 122 714	8199	.000 121 966
8050	.000 124 224	8100	.000 123 457	8150	.000 122 699	8200	.000 121 951

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8202	.000 121 921	8252	.000 121 183	8302	.000 120 453	8352	.000 119 732
8203	.000 121 907	8253	.000 121 168	8303	.000 120 438	8353	.000 119 717
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8208	.000 121 832	8258	.000 121 095	8308	.000 120 366	8358	.000 119 646
8209	.000 121 817	8259	.000 121 08	8309	.000 120 351	8359	.000 119 632
8210	.000 121 803	8260	.000 121 065	8310	.000 120 337	8360	.000 119 617
8211	.000 121 788	8261	.000 121 051	8311	.000 120 322	8361	.000 119 603
8212	.000 121 773	8262	.000 121 036	8312	.000 120 308	8362	.000 119 589
8213	.000 121 758	8263	.000 121 021	8313	.000 120 294	8363	.000 119 574
8214	.000 121 743	8264	.000 121 007	8314	.000 120 279	8364	.000 119 56
8215	.000 121 729	8265	.000 120 992	8315	.000 120 265	8365	.000 119 546
8216	.000 121 714	8266	.000 120 977	8316	.000 120 25	8366	.000 119 531
8217	.000 121 699	8267	.000 120 963	8317	.000 120 236	8367	.000 119 517
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8221	.000 121 640	8271	.000 120 904	8321	.000 120 178	8371	.000 119 46
8222	.000 121 625	8272	.000 120 89	8322	.000 120 163	8372	.000 119 446
8223	.000 121 61	8273	.000 120 875	8323	.000 120 149	8373	.000 119 432
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8225	.000 121 581	8275	.000 120 846	8325	.000 120 12	8375	.000 119 403
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8227	.000 121 551	8277	.000 120 817	8327	.000 120 091	8377	.000 119 374
8228	.000 121 536	8278	.000 120 802	8328	.000 120 077	8378	.000 119 36
8229	.000 121 521	8279	.000 120 788	8329	.000 120 062	8379	.000 119 346
8230	.000 121 507	8280	.000 120 773	8330	.000 120 048	8380	.000 119 332
8231	.000 121 492	8281	.000 120 758	8331	.000 120 034	8381	.000 119 318
8232	.000 121 477	8282	.000 120 744	8332	.000 120 019	8382	.000 119 303
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8235	.000 121 433	8285	.000 120 7	8335	.000 119 976	8385	.000 119 261
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8237	.000 121 403	8287	.000 120 671	8337	.000 119 947	8387	.000 119 232
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8239	.000 121 374	8289	.000 120 642	8339	.000 119 918	8389	.000 119 204
8240	.000 121 359	8290	.000 120 627	8340	.000 119 904	8390	.000 119 19
8241	.000 121 344	8291	.000 120 613	8341	.000 119 89	8391	.000 119 175
8242	.000 121 33	8292	.000 120 598	8342	.000 119 875	8392	.000 119 161
8243	.000 121 315	8293	.000 120 584	8343	.000 119 861	8393	.000 119 147
8244	.000 121 3	8294	.000 120 569	8344	.000 119 847	8394	.000 119 133
8245	.000 121 286	8295	.000 120 555	8345	.000 119 832	8395	.000 119 119
8246	.000 121 271	8296	.000 120 54	8346	.000 119 818	8396	.000 119 104
8247	.000 121 256	8297	.000 120 525	8347	.000 119 804	8397	.000 119 09
8248	.000 121 242	8298	.000 120 511	8348	.000 119 789	8398	.000 119 076
8249	.000 121 227	8299	.000 120 496	8349	.000 119 775	8399	.000 119 062
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8402	.000 119 019	8452	.000 118 315	8502	.000 117 619	8552	.000 116 932
8403	.000 119 005	8453	.000 118 301	8503	.000 117 606	8553	.000 116 918
8404	.000 118 991	8454	.000 118 287	8504	.000 117 592	8554	.000 116 904
8405	.000 118 977	8455	.000 118 273	8505	.000 117 578	8555	.000 116 891
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8407	.000 118 948	8457	.000 118 245	8507	.000 117 55	8557	.000 116 863
8408	.000 118 934	8458	.000 118 231	8508	.000 117 536	8558	.000 116 85
8409	.000 118 92	8459	.000 118 217	8509	.000 117 523	8559	.000 116 836
8410	.000 118 906	8460	.000 118 203	8510	.000 117 509	8560	.000 116 822
8411	.000 118 892	8461	.000 118 189	8511	.000 117 495	8561	.000 116 809
8412	.000 118 878	8462	.000 118 175	8512	.000 117 481	8562	.000 116 795
8413	.000 118 864	8463	.000 118 161	8513	.000 117 467	8563	.000 116 782
8414	.000 118 85	8464	.000 118 147	8514	.000 117 454	8564	.000 116 768
8415	.000 118 835	8465	.000 118 133	8515	.000 117 44	8565	.000 116 754
8416	.000 118 821	8466	.000 118 12	8516	.000 117 426	8566	.000 116 741
8417	.000 118 807	8467	.000 118 106	8517	.000 117 412	8567	.000 116 727
8418	.000 118 793	8468	.000 118 092	8518	.000 117 398	8568	.000 116 713
8419	.000 118 779	8469	.000 118 078	8519	.000 117 385	8569	.000 116 7
8420	.000 118 765	8470	.000 118 064	8520	.000 117 371	8570	.000 116 686
8421	.000 118 751	8471	.000 118 05	8521	.000 117 357	8571	.000 116 672
8422	.000 118 737	8472	.000 118 036	8522	.000 117 343	8572	.000 116 659
8423	.000 118 723	8473	.000 118 022	8523	.000 117 33	8573	.000 116 645
8424	.000 118 708	8474	.000 118 008	8524	.000 117 316	8574	.000 116 632
8425	.000 118 694	8475	.000 117 994	8525	.000 117 302	8575	.000 116 618
8426	.000 118 68	8476	.000 117 98	8526	.000 117 288	8576	.000 116 604
8427	.000 118 666	8477	.000 117 966	8527	.000 117 275	8577	.000 116 591
8428	.000 118 652	8478	.000 117 952	8528	.000 117 261	8578	.000 116 577
8429	.000 118 638	8479	.000 117 938	8529	.000 117 247	8579	.000 116 564
8430	.000 118 624	8480	.000 117 925	8530	.000 117 233	8580	.000 116 55
8431	.000 118 61	8481	.000 117 911	8531	.000 117 22	8581	.000 116 537
8432	.000 118 596	8482	.000 117 897	8532	.000 117 206	8582	.000 116 523
8433	.000 118 582	8483	.000 117 883	8533	.000 117 192	8583	.000 116 509
8434	.000 118 568	8484	.000 117 869	8534	.000 117 178	8584	.000 116 496
8435	.000 118 554	8485	.000 117 855	8535	.000 117 165	8585	.000 116 482
8436	.000 118 54	8486	.000 117 841	8536	.000 117 151	8586	.000 116 469
8437	.000 118 526	8487	.000 117 827	8537	.000 117 137	8587	.000 116 455
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8439	.000 118 497	8489	.000 117 8	8539	.000 117 11	8589	.000 116 428
8440	.000 118 483	8490	.000 117 786	8540	.000 117 096	8590	.000 116 414
8441	.000 118 469	8491	.000 117 772	8541	.000 117 082	8591	.000 116 401
8442	.000 118 455	8492	.000 117 758	8542	.000 117 069	8592	.000 116 387
8443	.000 118 441	8493	.000 117 744	8543	.000 117 055	8593	.000 116 374
8444	.000 118 427	8494	.000 117 73	8544	.000 117 041	8594	.000 116 36
8445	.000 118 413	8495	.000 117 716	8545	.000 117 028	8595	.000 116 347
8446	.000 118 399	8496	.000 117 702	8546	.000 117 014	8596	.000 116 333
8447	.000 118 385	8497	.000 117 689	8547	.000 117	8597	.000 116 32
8448	.000 118 371	8498	.000 117 675	8548	.000 116 986	8598	.000 116 306
8449	.000 118 357	8499	.000 117 661	8549	.000 116 973	8599	.000 116 293
8450	.000 118 343	8500	.000 117 647	8550	.000 116 959	8600	.000 116 279



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8802	.000 113 611	8852	.000 112 969	8902	.000 112 334	8952	.000 111 707
8803	.000 113 598	8853	.000 112 956	8903	.000 112 322	8953	.000 111 694
8804	.000 113 585	8854	.000 112 943	8904	.000 112 309	8954	.000 111 682
8805	.000 113 572	8855	.000 112 931	8905	.000 112 296	8955	.000 111 669
8806	.000 113 559	8856	.000 112 918	8906	.000 112 284	8956	.000 111 657
8807	.000 113 546	8857	.000 112 905	8907	.000 112 271	8957	.000 111 645
8808	.000 113 533	8858	.000 112 892	8908	.000 612 259	8958	.000 111 632
8809	.000 113 52	8859	.000 112 88	8909	.000 112 246	8959	.000 111 62
8810	.000 113 507	8860	.000 112 867	8910	.000 112 233	8960	.000 111 607
8811	.000 113 494	8861	.000 112 854	8911	.000 112 221	8961	.000 111 595
8812	.000 113 482	8862	.000 112 841	8912	.000 112 208	8962	.000 111 582
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8814	.000 113 456	8864	.000 112 816	8914	.000 112 183	8964	.000 111 557
8815	.000 113 443	8865	.000 112 803	8915	.000 112 17	8965	.000 111 545
8816	.000 113 43	8866	.000 112 79	8916	.000 112 158	8966	.000 111 532
8817	.000 113 417	8867	.000 112 778	8917	.000 112 145	8967	.000 111 52
8818	.000 113 404	8868	.000 112 765	8918	.000 112 133	8968	.000 111 508
8819	.000 113 392	8869	.000 112 752	8919	.000 112 12	8969	.000 111 495
8820	.000 113 379	8870	.000 112 74	8920	.000 112 108	8970	.000 111 483
8821	.000 113 366	8871	.000 112 727	8921	.000 112 095	8971	.000 111 47
8822	.000 113 353	8872	.000 112 714	8922	.000 112 082	8972	.000 111 458
8823	.000 113 34	8873	.000 112 701	8923	.000 112 07	8973	.000 111 445
8824	.000 113 327	8874	.000 112 689	8924	.000 112 057	8974	.000 111 443
8825	.000 113 314	8875	.000 112 676	8925	.000 112 045	8975	.000 111 421
8826	.000 113 302	8876	.000 112 663	8926	.000 112 032	8976	.000 111 408
8827	.000 113 289	8877	.000 112 651	8927	.000 112 02	8977	.000 111 396
8828	.000 113 276	8878	.000 112 638	8928	.000 112 007	8978	.000 111 383
8829	.000 113 263	8879	.000 112 625	8929	.000 111 995	8979	.000 111 371
8830	.000 113 25	8880	.000 112 613	8930	.000 111 982	8980	.000 111 359
8831	.000 113 237	8881	.000 112 6	8931	.000 111 97	8981	.000 111 346
8832	.000 113 225	8882	.000 112 587	8932	.000 111 957	8982	.000 111 334
8833	.000 113 212	8883	.000 112 575	8933	.000 111 944	8983	.000 111 321
8834	.000 113 199	8884	.000 112 562	8934	.000 111 932	8984	.000 111 309
8835	.000 113 186	8885	.000 112 549	8935	.000 111 919	8985	.000 111 297
8836	.000 113 173	8886	.000 112 537	8936	.000 111 907	8986	.000 111 284
8837	.000 113 161	8887	.000 112 524	8937	.000 111 894	8987	.000 111 272
8838	.000 113 148	8888	.000 112 511	8938	.000 111 882	8988	.000 111 259
8839	.000 113 135	8889	.000 112 499	8939	.000 111 869	8989	.000 111 247
8840	.000 113 122	8890	.000 112 486	8940	.000 111 857	8990	.000 111 235
8841	.000 113 109	8891	.000 112 473	8941	.000 111 844	8991	.000 111 222
8842	.000 113 097	8892	.000 112 461	8942	.000 111 832	8992	.000 111 21
8843	.000 113 084	8893	.000 112 448	8943	.000 111 819	8993	.000 111 198
8844	.000 113 071	8894	.000 112 435	8944	.000 111 807	8994	.000 111 185
8845	.000 113 058	8895	.000 112 423	8945	.000 111 794	8995	.000 111 173
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8847	.000 113 033	8897	.000 112 397	8947	.000 111 769	8997	.000 111 148
8848	.000 113 02	8898	.000 112 385	8948	.000 111 757	8998	.000 111 136
8849	.000 113 007	8899	.000 112 372	8949	.000 111 744	8999	.000 111 123
8850	.000 112 994	8900	.000 112 36	8950	.000 111 732	9000	.000 111 111

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9003	.000 111 074	9053	.000 110 461	9103	.000 109 854	9153	.000 109 254
9004	.000 111 062	9054	.000 110 448	9104	.000 109 842	9154	.000 109 242
9005	.000 111 049	9055	.000 110 436	9105	.000 109 83	9155	.000 109 23
9006	.000 111 037	9056	.000 110 424	9106	.000 109 818	9156	.000 109 218
9007	.000 111 025	9057	.000 110 412	9107	.000 109 806	9157	.000 109 206
9008	.000 111 012	9058	.000 110 4	9108	.000 109 794	9158	.000 109 194
9009	.000 111	9059	.000 110 387	9109	.000 109 782	9159	.000 109 182
9010	.000 110 988	9060	.000 110 375	9110	.000 109 769	9160	.000 109 17
9011	.000 110 975	9061	.000 110 363	9111	.000 109 757	9161	.000 109 158
9012	.000 110 963	9062	.000 110 351	9112	.000 109 745	9162	.000 109 146
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9014	.000 110 939	9064	.000 110 327	9114	.000 109 721	9164	.000 109 123
9015	.000 110 926	9065	.000 110 314	9115	.000 109 709	9165	.000 109 111
9016	.000 110 914	9066	.000 110 302	9116	.000 109 697	9166	.000 109 099
9017	.000 110 902	9067	.000 110 29	9117	.000 109 685	9167	.000 109 087
9018	.000 110 889	9068	.000 110 278	9118	.000 109 673	9168	.000 109 075
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9021	.000 110 852	9071	.000 110 241	9121	.000 109 637	9171	.000 109 039
9022	.000 110 84	9072	.000 110 229	9122	.000 109 625	9172	.000 109 027
9023	.000 110 828	9073	.000 110 217	9123	.000 109 613	9173	.000 109 016
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9027	.000 110 779	9077	.000 110 169	9127	.000 109 565	9177	.000 108 968
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9037	.000 110 656	9087	.000 110 047	9137	.000 109 445	9187	.000 108 849
9038	.000 110 644	9088	.000 110 035	9138	.000 109 433	9188	.000 108 838
9039	.000 110 632	9089	.000 110 023	9139	.000 109 421	9189	.000 108 826
9040	.000 110 619	9090	.000 110 011	9140	.000 109 409	9190	.000 108 814
9041	.000 110 607	9091	.000 109 999	9141	.000 109 397	9191	.000 108 802
9042	.000 110 595	9092	.000 109 987	9142	.000 109 385	9192	.000 108 79
9043	.000 110 583	9093	.000 109 975	9143	.000 109 373	9193	.000 108 778
9044	.000 110 571	9094	.000 109 963	9144	.000 109 361	9194	.000 108 767
9045	.000 110 558	9095	.000 109 951	9145	.000 109 349	9195	.000 108 755
9046	.000 110 546	9096	.000 109 938	9146	.000 109 337	9196	.000 108 743
9047	.000 110 534	9097	.000 109 926	9147	.000 109 325	9197	.000 108 731
9048	.000 110 522	9098	.000 109 914	9148	.000 109 314	9198	.000 108 719
9049	.000 110 509	9099	.000 109 902	9149	.000 109 302	9199	.000 108 707
9050	.000 110 497	9100	.000 109 89	9150	.000 109 29	9200	.000 108 696

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9202	.000 108 672	9252	.000 108 085	9302	.000 107 504	9352	.000 106 929
9203	.000 108 66	9253	.000 108 073	9303	.000 107 492	9353	.000 106 918
9204	.000 108 648	9254	.000 108 061	9304	.000 107 481	9354	.000 106 906
9205	.000 108 637	9255	.000 108 05	9305	.000 107 469	9355	.000 106 895
9206	.000 108 625	9256	.000 108 038	9306	.000 107 458	9356	.000 106 883
9207	.000 108 613	9257	.000 108 026	9307	.000 107 446	9357	.000 106 872
9208	.000 108 601	9258	.000 108 015	9308	.000 107 434	9358	.000 106 86
9209	.000 108 589	9259	.000 108 003	9309	.000 107 423	9359	.000 106 849
9210	.000 108 578	9260	.000 107 991	9310	.000 107 411	9360	.000 106 838
9211	.000 108 566	9261	.000 107 98	9311	.000 107 4	9361	.000 106 826
9212	.000 108 554	9262	.000 107 968	9312	.000 107 388	9362	.000 106 815
9213	.000 108 542	9263	.000 107 956	9313	.000 107 377	9363	.000 106 803
9214	.000 108 53	9264	.000 107 945	9314	.000 107 365	9364	.000 106 792
9215	.000 108 519	9265	.000 107 933	9315	.000 107 354	9365	.000 106 781
9216	.000 108 507	9266	.000 107 921	9316	.000 107 342	9366	.000 106 769
9217	.000 108 495	9267	.000 107 91	9317	.000 107 331	9367	.000 106 758
9218	.000 108 483	9268	.000 107 898	9318	.000 107 319	9368	.000 106 746
9219	.000 108 472	9269	.000 107 887	9319	.000 107 308	9369	.000 106 735
9220	.000 108 46	9270	.000 107 875	9320	.000 107 296	9370	.000 106 724
9221	.000 108 448	9271	.000 107 863	9321	.000 107 285	9371	.000 106 712
9222	.000 108 436	9272	.000 107 852	9322	.000 107 273	9372	.000 106 701
9223	.000 108 425	9273	.000 107 84	9323	.000 107 262	9373	.000 106 689
9224	.000 108 413	9274	.000 107 828	9324	.000 107 25	9374	.000 106 678
9225	.000 108 401	9275	.000 107 817	9325	.000 107 239	9375	.000 106 667
9226	.000 108 389	9276	.000 107 805	9326	.000 107 227	9376	.000 106 655
9227	.000 108 378	9277	.000 107 793	9327	.000 107 216	9377	.000 106 644
9228	.000 108 366	9278	.000 107 782	9328	.000 107 204	9378	.000 106 633
9229	.000 108 354	9279	.000 107 77	9329	.000 107 193	9379	.000 106 621
9230	.000 108 342	9280	.000 107 759	9330	.000 107 181	9380	.000 106 61
9231	.000 108 331	9281	.000 107 747	9331	.000 107 17	9381	.000 106 598
9232	.000 108 319	9282	.000 107 735	9332	.000 107 158	9382	.000 106 587
9233	.000 108 307	9283	.000 107 724	9333	.000 107 147	9383	.000 106 576
9234	.000 108 295	9284	.000 107 712	9334	.000 107 135	9384	.000 106 564
9235	.000 108 284	9285	.000 107 701	9335	.000 107 124	9385	.000 106 553
9236	.000 108 272	9286	.000 107 689	9336	.000 107 112	9386	.000 106 542
9237	.000 108 26	9287	.000 107 677	9337	.000 107 101	9387	.000 106 53
9238	.000 108 249	9288	.000 107 666	9338	.000 107 089	9388	.000 106 519
9239	.000 108 237	9289	.000 107 654	9339	.000 107 078	9389	.000 106 508
9240	.000 108 225	9290	.000 107 643	9340	.000 107 066	9390	.000 106 496
9241	.000 108 213	9291	.000 107 631	9341	.000 107 055	9391	.000 106 485
9242	.000 108 202	9292	.000 107 619	9342	.000 107 043	9392	.000 106 474
9243	.000 108 19	9293	.000 107 608	9343	.000 107 032	9393	.000 106 462
9244	.000 108 178	9294	.000 107 596	9344	.000 107 021	9394	.000 106 451
9245	.000 108 167	9295	.000 107 585	9345	.000 107 009	9395	.000 106 44
9246	.000 108 155	9296	.000 107 573	9346	.000 106 998	9396	.000 106 428
9247	.000 108 143	9297	.000 107 562	9347	.000 106 986	9397	.000 106 417
9248	.000 108 131	9298	.000 107 55	9348	.000 106 975	9398	.000 106 406
9249	.000 108 12	9299	.000 107 538	9349	.000 106 963	9399	.000 106 394
9250	.000 108 108	9300	.000 107 527	9350	.000 106 952	9400	.000 106 383

9401	.000 106 372	9451	.000 105 809	9501	.000 105 252	9551	.000 104 701
9402	.000 106 36	9452	.000 105 798	9502	.000 105 241	9552	.000 104 69
9403	.000 106 349	9453	.000 105 787	9503	.000 105 23	9553	.000 104 679
9404	.000 106 338	9454	.000 105 775	9504	.000 105 219	9554	.000 104 668
9405	.000 106 326	9455	.000 105 764	9505	.000 105 208	9555	.000 104 657
9406	.000 106 315	9456	.000 105 753	9506	.000 105 197	9556	.000 104 646
9407	.000 106 304	9457	.000 105 742	9507	.000 105 186	9557	.000 104 635
9408	.000 106 293	9458	.000 105 731	9508	.000 105 175	9558	.000 104 624
9409	.000 106 281	9459	.000 105 719	9509	.000 105 164	9559	.000 104 613
9410	.000 106 27	9460	.000 105 708	9510	.000 105 152	9560	.000 104 603
9411	.000 106 259	9461	.000 105 697	9511	.000 105 141	9561	.000 104 592
9412	.000 106 247	9462	.000 105 686	9512	.000 105 13	9562	.000 104 581
9413	.000 106 236	9463	.000 105 675	9513	.000 105 119	9563	.000 104 57
9414	.000 106 225	9464	.000 105 664	9514	.000 105 108	9564	.000 104 559
9415	.000 106 213	9465	.000 105 652	9515	.000 105 097	9565	.000 104 548
9416	.000 106 202	9466	.000 105 641	9516	.000 105 086	9566	.000 104 537
9417	.000 106 191	9467	.000 105 63	9517	.000 105 075	9567	.000 104 526
9418	.000 106 18	9468	.000 105 619	9518	.000 105 064	9568	.000 104 515
9419	.000 106 168	9469	.000 105 608	9519	.000 105 053	9569	.000 104 504
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9421	.000 106 146	9471	.000 105 585	9521	.000 105 031	9571	.000 104 482
9422	.000 106 135	9472	.000 105 574	9522	.000 105 02	9572	.000 104 471
9423	.000 106 123	9473	.000 105 563	9523	.000 105 009	9573	.000 104 46
9424	.000 106 112	9474	.000 105 552	9524	.000 105 998	9574	.000 104 45
9425	.000 106 101	9475	.000 105 541	9525	.000 104 987	9575	.000 104 439
9426	.000 106 09	9476	.000 105 53	9526	.000 104 976	9576	.000 104 428
9427	.000 106 078	9477	.000 105 519	9527	.000 104 965	9577	.000 104 417
9428	.000 106 067	9478	.000 105 507	9528	.000 104 954	9578	.000 104 406
9429	.000 106 056	9479	.000 105 496	9529	.000 104 943	9579	.000 104 395
9430	.000 106 045	9480	.000 105 485	9530	.000 104 932	9580	.000 104 384
9431	.000 106 033	9481	.000 105 474	9531	.000 104 921	9581	.000 104 373
9432	.000 106 022	9482	.000 105 463	9532	.000 104 91	9582	.000 104 362
9433	.000 106 011	9483	.000 105 452	9533	.000 104 899	9583	.000 104 351
9434	.000 106	9484	.000 105 441	9534	.000 104 888	9584	.000 104 341
9435	.000 105 988	9485	.000 105 43	9535	.000 104 877	9585	.000 104 33
9436	.000 105 977	9486	.000 105 419	9536	.000 104 866	9586	.000 104 319
9437	.000 105 966	9487	.000 105 407	9537	.000 104 855	9587	.000 104 308
9438	.000 105 955	9488	.000 105 396	9538	.000 104 844	9588	.000 104 297
9439	.000 105 943	9489	.000 105 385	9539	.000 104 833	9589	.000 104 286
9440	.000 105 932	9490	.000 105 374	9540	.000 104 822	9590	.000 104 275
9441	.000 105 921	9491	.000 105 363	9541	.000 104 811	9591	.000 104 264
9442	.000 105 91	9492	.000 105 352	9542	.000 104 8	9592	.000 104 254
9443	.000 105 899	9493	.000 105 341	9543	.000 104 789	9593	.000 104 243
9444	.000 105 887	9494	.000 105 33	9544	.000 104 778	9594	.000 104 232
9445	.000 105 876	9495	.000 105 319	9545	.000 104 767	9595	.000 104 221
9446	.000 105 865	9496	.000 105 307	9546	.000 104 756	9596	.000 104 21
9447	.000 105 854	9497	.000 105 296	9547	.000 104 745	9597	.000 104 199
9448	.000 105 843	9498	.000 105 285	9548	.000 104 734	9598	.000 104 188
9449	.000 105 831	9499	.000 105 274	9549	.000 104 723	9599	.000 104 178
9450	.000 105 82	9500	.000 105 263	9550	.000 104 712	9600	.000 104 167

9601	.000 104 156	9651	.000 103 616	9701	.000 103 082	9751	.000 102 554
9602	.000 104 145	9652	.000 103 605	9702	.000 103 072	9752	.000 102 543
9603	.000 104 134	9653	.000 103 595	9703	.000 103 061	9753	.000 102 533
9604	.000 104 123	9654	.000 103 584	9704	.000 103 05	9754	.000 102 522
9605	.000 104 112	9655	.000 103 573	9705	.000 103 04	9755	.000 102 512
9606	.000 104 102	9656	.000 103 563	9706	.000 103 029	9756	.000 102 501
9607	.000 104 091	9657	.000 103 552	9707	.000 103 018	9757	.000 102 491
9608	.000 104 08	9658	.000 103 541	9708	.000 103 008	9758	.000 102 48
9609	.000 104 069	9659	.000 103 53	9709	.000 102 997	9759	.000 102 47
9610	.000 104 058	9660	.000 103 52	9710	.000 102 987	9760	.000 102 459
9611	.000 104 047	9661	.000 103 509	9711	.000 102 976	9761	.000 102 449
9612	.000 104 037	9662	.000 103 498	9712	.000 102 965	9762	.000 102 438
9613	.000 104 026	9663	.000 103 488	9713	.000 102 955	9763	.000 102 428
9614	.000 104 015	9664	.000 103 477	9714	.000 102 944	9764	.000 102 417
9615	.000 104 004	9665	.000 103 466	9715	.000 102 934	9765	.000 102 407
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9617	.000 103 983	9667	.000 103 445	9717	.000 102 912	9767	.000 102 386
9618	.000 103 972	9668	.000 103 434	9718	.000 102 902	9768	.000 102 375
9619	.000 103 961	9669	.000 103 423	9719	.000 102 891	9769	.000 102 365
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9621	.000 103 939	9671	.000 103 402	9721	.000 102 87	9771	.000 102 344
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9624	.000 103 907	9674	.000 103 37	9724	.000 102 838	9774	.000 102 312
9625	.000 103 896	9675	.000 103 359	9725	.000 102 828	9775	.000 102 302
9626	.000 103 885	9676	.000 103 348	9726	.000 102 817	9776	.000 102 291
9627	.000 103 875	9677	.000 103 338	9727	.000 102 807	9777	.000 102 281
9628	.000 103 864	9678	.000 103 327	9728	.000 102 796	9778	.000 102 27
9629	.000 103 853	9679	.000 103 316	9729	.000 102 785	9779	.000 102 26
9630	.000 103 842	9680	.000 103 306	9730	.000 102 775	9780	.000 102 249
9631	.000 103 831	9681	.000 103 295	9731	.000 102 764	9781	.000 102 239
9632	.000 103 821	9682	.000 103 284	9732	.000 102 754	9782	.000 102 229
9633	.000 103 81	9683	.000 103 274	9733	.000 102 743	9783	.000 102 218
9634	.000 103 799	9684	.000 103 263	9734	.000 102 733	9784	.000 102 208
9635	.000 103 788	9685	.000 103 252	9735	.000 102 722	9785	.000 102 197
9636	.000 103 778	9686	.000 103 242	9736	.000 102 712	9786	.000 102 187
9637	.000 103 767	9687	.000 103 231	9737	.000 102 701	9787	.000 102 176
9638	.000 103 756	9688	.000 103 22	9738	.000 102 69	9788	.000 102 166
9639	.000 103 745	9689	.000 103 21	9739	.000 102 68	9789	.000 102 155
9640	.000 103 734	9690	.000 103 199	9740	.000 102 669	9790	.000 102 145
9641	.000 103 724	9691	.000 103 189	9741	.000 102 659	9791	.000 102 135
9642	.000 103 713	9692	.000 103 178	9742	.000 102 648	9792	.000 102 124
9643	.000 103 702	9693	.000 103 167	9743	.000 102 638	9793	.000 102 114
9644	.000 103 691	9694	.000 103 157	9744	.000 102 627	9794	.000 102 103
9645	.000 103 681	9695	.000 103 146	9745	.000 102 617	9795	.000 102 093
9646	.000 103 67	9696	.000 103 135	9746	.000 102 606	9796	.000 102 082
9647	.000 103 659	9697	.000 103 125	9747	.000 102 596	9797	.000 102 072
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9649	.000 103 638	9699	.000 103 103	9749	.000 102 575	9799	.000 102 051
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9803	.000 102 01	9853	.000 101 492	9903	.000 100 98	9953	.000 100 472
9804	.000 101 999	9854	.000 101 482	9904	.000 100 969	9954	.000 100 462
9805	.000 101 989	9855	.000 101 471	9905	.000 100 959	9955	.000 100 452
9806	.000 101 978	9856	.000 101 461	9906	.000 100 949	9956	.000 100 442
9807	.000 101 968	9857	.000 101 451	9907	.000 100 939	9957	.000 100 432
9808	.000 101 958	9858	.000 101 44	9908	.000 100 929	9958	.000 100 422
9809	.000 101 947	9859	.000 101 43	9909	.000 100 918	9959	.000 100 412
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9811	.000 101 926	9861	.000 101 41	9911	.000 100 898	9961	.000 100 392
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9813	.000 101 906	9863	.000 101 389	9913	.000 100 878	9963	.000 100 371
9814	.000 101 895	9864	.000 101 379	9914	.000 100 867	9964	.000 100 361
9815	.000 101 885	9865	.000 101 368	9915	.000 100 857	9965	.000 100 351
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9817	.000 101 864	9867	.000 101 348	9917	.000 100 837	9967	.000 100 331
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9819	.000 101 843	9869	.000 101 327	9919	.000 100 817	9969	.000 100 311
9820	.000 101 833	9870	.000 101 317	9920	.000 100 806	9970	.000 100 301
9821	.000 101 823	9871	.000 101 307	9921	.000 100 796	9971	.000 100 291
9822	.000 101 812	9872	.000 101 297	9922	.000 100 786	9972	.000 100 281
9823	.000 101 802	9873	.000 101 286	9923	.000 100 776	9973	.000 100 271
9824	.000 101 792	9874	.000 101 276	9924	.000 100 766	9974	.000 100 261
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9829	.000 101 74	9879	.000 101 225	9929	.000 100 715	9979	.000 100 21
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9832	.000 101 709	9882	.000 101 194	9932	.000 100 685	9982	.000 100 18
9833	.000 101 698	9883	.000 101 184	9933	.000 100 675	9983	.000 100 17
9834	.000 101 688	9884	.000 101 174	9934	.000 100 664	9984	.000 100 16
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9838	.000 101 647	9888	.000 101 133	9938	.000 100 624	9988	.000 100 12
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9849	.000 101 533	9899	.000 101 02	9949	.000 100 513	9999	.000 100 01
9850	.000 101 523	9900	.000 101 01	9950	.000 100 503	10000	.000 100 1

