

# BlueBook - Cost

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**Time limit:** 1.0s    **Memory limit:** 16M

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## BlueBook

Given an integer  $N$  ( $0 \leq N \leq 100\,000$ ) representing the mass of a letter in grams, print out the cost in cents to mail the letter.

The first line of input will be the number of test cases  $T$  ( $1 \leq T \leq 100$ ). The following  $T$  lines will contain  $N$ . Output the cost in cents to mail the letter.

The pricing is as follows:

$0 \leq N \leq 30$  costs 38 cents

$30 < N \leq 50$  costs 55 cents

$50 < N \leq 100$  costs 73 cents

if  $N > 100$  then the base cost is 73 cents, plus 24 cents for every additional 50 grams or part thereof.

## Input Specification

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The first line of input will be the number of test cases  $T$  ( $1 \leq T \leq 100$ ). The following  $T$  lines will contain  $N$ .

## Output Specification

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Output the cost in cents to mail the letter.

## Sample Input

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```
2
5
101
```

## Sample Output

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```
38
97
```