

## Problem J: GCD The Largest

Given  $N$ , print the largest number that can be achieved by taking gcd (greatest common divisor) of any two  $i$  and  $j$  where  $i \neq j$  and  $1 \leq i, j \leq N$ .

### Input

First line of input will contain the number of test cases,  $T \leq 2000$ . Then  $T$  cases follow. For each case, there is a line containing one integer  $N$  where  $2 \leq N \leq 10^{18}$ .

### Output

For each case, print one line containing a single integer which is the largest gcd of all pairs of numbers between  $1$  to  $N$ .

Sample Input	Output for Sample Input
2	1
2	2
5	

### Output Explanation

In the second case the GCD table is:

	1	2	3	4	5
1	-	-	-	-	-
2	1	-	-	-	-
3	1	1	-	-	-
4	1	<u>2</u>	1	-	-
5	1	1	1	1	-

Here the largest gcd of all pairs of numbers between  $1$  to  $5$  is  $2$ .

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