Multiples of 3 and 5

If we list all the natural numbers below 10 that are multiples of 3 or 5, we get 3, 5, 6 and 9. The sum of these multiples is 23.

Find the sum of all the multiples of 3 or 5 below N.

Input Format

First line contains T that denotes the number of test cases. This is followed by T lines, each containing an integer, N.

Constraints

$1 <= T <= 10^5$
$1 <= N <= 10^9$

Output Format

For each test case, print an integer that denotes the sum of all the multiples of 3 or 5 below N.

Sample Input

```
2
10
100
```

Sample Output

```
23
2318
```

Explanation

```
For the input 10
output = 3 + 5 + 6 + 9 = 23
```