# Color it

## Assignment 1
Computer Programming
Due date: 10 September, 2018

**Description:** There are n poles in a row numbered 1 to N. Each pole can be colored in two colors - Red and Black. Initially each pole is colored Black. Once you colour a pole, its previous color is immaterial. In an operation, you color a pole in such a way that the new color is different from the previous color i.e. Red to Black and Black to Red.

Steps -

1) Operate on poles which are multiple of 1

2) Operate on poles which are multiple of 2

3) Operate on poles which are multiple of 3

4) ....

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This process is continued N times.

Find the number of poles which are colored red after all these operations.

**Input**

First Line contains an Integer T denoting the number of test cases.

Each of the following T lines contains an integer N.

**Output**

Print Number of poles which are colored red after all operations for each test case.

**Constraints**

T (Number of test cases) is an integer between 1 and $10^6$ (Both Inclusive)

N is an integer between 1 and $10^9$ (Both Inclusive).

**Sample Test Case**

| Input | Output |
|---|---|
| 2 | 2 |
| 7 | 10 |
| 104 | |