Hop Hop

There is a frog sitting at point 0 in the beginning (i.e, $t = 0$). At every odd instant of time (i.e $t = 1, 3, ..$) the frog hops 2 units to the right whereas at every even instant of time (i.e, $t = 2, 4, ..$) the frog hops 1 unit to the left.

For a given time instant T, you have to tell the farthest point reached by the frog from point 0 at any instant till T (inclusive).

Input Format

First line consists of a single integer Q (Number of test cases)

Each of the next Q lines, contains a single integer T.

Constraints

$1 \leq Q \leq 10$

$0 \leq T \leq 10^9$

Output Format

For each test case, print on a seperate line, the farthest point reached.

Sample Input 0

```
3
2
3
4
```

Sample Output 0

```
2
3
3
```

Explanation 0

Following are the positions of frog at some initial time instants:

At $t = 0,\ pos = 0$

At $t = 1,\ pos = 2$

At $t = 2,\ pos = 1$

At $t = 3,\ pos = 3$

At $t = 4,\ pos = 4$

So we can see, the frog reached point 2 as farthest point till $t = 1$ and reached point 3 as farthest point till $t = 3$.

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