

Fit Squares in Triangle

Problem Code: **TRISQ**

What is the maximum number of squares of size **2x2** that can be fit in a right angled isosceles triangle of base **B**.

One side of the square must be parallel to the base of the isosceles triangle.

Base is the shortest side of the triangle

Input

First line contains **T**, the number of test cases.

Each of the following **T** lines contains 1 integer **B**.

Output

Output exactly T lines, each line containing the required answer.

Constraints

$$1 \leq T \leq 10^3$$

$$1 \leq B \leq 10^4$$

Sample Input

```
11
1
2
3
4
5
6
7
8
9
10
11
```

Sample Output

```
0
0
0
1
1
3
3
6
6
10
```

