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# Project Euler #179: Consecutive positive divisors

This problem is a programming version of Problem 179 from projecteuler.net

Find the number of integers 1 < n < k, for which n and n+1 have the same number of positive divisors. For example, 14 has the positive divisors 1, 2, 7, 14 while 15 has 1, 3, 5, 15.

#### **Input Format**

First line of input contains single integer t which is the number of testcases. All of the following t lines contain single integer k each.

#### **Constraints**

- $1 \le t \le 10^6$
- $3 < k < 10^7$

#### **Output Format**

For each testcase output the only integer which is the answer to the problem.

#### Sample Input 0

3 3 15 100

#### Sample Output 0

1 2 15

### **Explanation 0**

The only n<15 are 2 and 14.