**[3 Divisors](https://practice.geeksforgeeks.org/problems/3-divisors3942/1)**

You are given a list of q queries and for every query, you are given an integer N.  The task is to find how many numbers(**less than or equal to N)**have number of divisors exactly equal to **3**.

**Example 1:**

**Input:**

q = 1

query[0] = 6

**Output:**

1

**Explanation:**

There is only one number 4 which has

exactly three divisors 1, 2 and 4 and

less than equal to 6.

**Example 2:**

**Input:**

q = 2

query[0] = 6

query[1] = 10

**Output:**

1

2

**Explanation:**

For query 1 it is covered in the

example 1.

query 2: There are two numbers 4 and 9

having exactly 3 divisors and less than

equal to 10.

**Your Task:**  
You don't need to read input or print anything. Your task is to complete the function **threeDivisors()** which takes an integer **q** and a list of integer of size **q** as input parameter and returns the list containing the count of the numbers having exactly 3 divisors for each query.  
  
**Expected Time Complexity:** O(q\*N\*log(log(N)))  
**Expected Auxiliary Space:** O(N), where N is min(10^6,N)

**Constraints :**  
1 <= q <= 10^3  
1 <= query[i] <= 10^12