**Problem Description**

In this problem, you will have to check whether an input number is prime using recursion.

**Input**

The first line of input contains an integer, T, which denotes the number of input you have to handle. Each of the next T lines contains an integer N. 1<=N<=10000000

**Output**

For each input number you have print “**Prime”**, if the input number is a prime number. Otherwise print **“Not Prime”**

|  |  |
| --- | --- |
| 5  121  39  7  19  33 | Not Prime  Not Prime  Prime  Prime  Not Prime |