

Prime number

Given a positive integer number N , it is required to determine whether it is prime.

Input

From a standard input device, a non-negative integer N ($2 \leq N \leq 10^3$) is entered in the first line.

Output

It is required to print “Prime” (without quotes), if N is a prime, otherwise “Composite” (without quotes). **There is no need to display a space at the end of a line.**

Sample Input

7

Sample Output

Prime

Note

A number is prime if and only if it is greater than 1 and has exactly 2 divisors.

Try implementing the *isPrime*(n) function, which returns 1 when n is prime, and 0 otherwise.