Sourav is in the middle of a programming competition and she needs to solve the final question to be named as the competition winner. Her final question is to find if a given number is a mysterious number or not . A number n is considered to be mysterious if :

1. It’s a positive integer
2. It’s not prime
3. It does not belong to the Fibonacci Sequence

Given a number k , write a program to find mysterious series within a range of 1 to k .

Input Output

10 4 6 9 10 12 14 15 16

**Explain :** From first 10 non-fibonacci number 7 and 11 prime number , so in output 8 numbers are **Mysterious Number** .