Find Prime Number

Description

First,

write a prime(int n) function

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that can check if n is a prime number.

Write a program to list all prime numbers that are smaller than the input.

Input

Input N is the number that you have to list all the prime numbers that are smaller than it.

5 <= N <= 10000

Output

Output a string "Results: " followed by all the prime numbers that are smaller than input N (Whichmeans excluding N)

in ascending order and seperated by single space

Sample Input 1 📋

```
20
```

Sample Output 1

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Results: 2 3 5 7 11 13 17 19
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