

Find Prime Number -- 有趣不刁難?

Description

First,

write a `very_fast_prime(long long n)` function

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that can check if `n` is a prime number.

Write a program to listfirst `k` prime numbers smaller than `n`

Input

Input `N`, `k` is the number that you have to list first `k` prime numbers that are smaller than it.

$5 \leq N \leq \text{LONG_LONG_MAX}$

$2 \leq k \leq 369$

Output

Output a string "Results: " followed by `k` the prime numbers that are smaller than input `N` in ascending order and seperated by single space

If `N` does not have `k` prime numbers that can be output, then just list all prime numbers less than `N`.

Sample Input 1

20 5

Sample Output 1

Results: 7 11 13 17 19

Hint

This question doesn't have score, it's just to kill time.

This question is actually a simpler version of[extra 1](#)

 Problems

 Announcements

 Submissions

 Rankings

 View Contest

Information

ID	mid_05+
Time Limit	3000MS
Memory Limit	256MB
IO Mode	Standard IO
Created By	sungod
Level	Mid
Score	100
Tags	Show

Statistic Details

