

Description Solution Discuss (999+) Submissions

204. Count Primes

Medium 6576 1256 Add to List Share

Given an integer n , return the number of prime numbers that are strictly less than n .

Example 1:

Input: $n = 10$
Output: 4
Explanation: There are 4 prime numbers less than 10, they are 2, 3, 5, 7.

Example 2:

Input: $n = 0$
Output: 0

Example 3:

Input: $n = 1$
Output: 0

Constraints:

- $0 \leq n \leq 5 \times 10^6$

Accepted 716,470 Submissions 2,164,146

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i C++ Autocomplete

```
1 class Solution {
2 public:
3     int countPrimes(int n) {
4     }
5 }
6
```

NEW