

Description

Solution

Submissions

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367. Valid Perfect Square

Easy

505

113

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Given a positive integer *num*, write a function which returns True if *num* is a perfect square else False.

Note: Do not use any built-in library function such as `sqrt`.

Example 1:

Input: 16

Output: true

Example 2:

Input: 14

Output: false

Accepted 121,253

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Yes

No

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```
1 public class Solution {
2     public bool
3     IsPerfectSquare(int num) {
4         if (num < 1)
5             return false;
6         long left = 1, right = num;
7         while (left <= right) {
8             long mid = (left + right) / 2;
9             long square = (long)mid * mid;
10            if (square == num) return true;
11            else if (square > num)
12                right = mid - 1;
13            else
14                left = mid + 1;
15        }
16        return false;
17    }
18 }
19
20
21
22
23
24
25
```

Testcase

Run Code Result

Finished

Runtime: 4 ms

Your input

16

Output

true

Expected

true

Console

How to Run

Problems

Pick One

< Prev

367/1164

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Run Code