69. Sqrt(x) ★

Question Editorial Solution

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Total Accepted: 109477 Total Submissions: 417784 Difficulty: Medium

Implement int sqrt(int x).

Compute and return the square root of x.

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```
C++ • C++
```

```
class Solution {
 2
    public:
 3
        // x^2 = y
 4
        double recursive(double x, double y){
 5
            if(abs(x*x-y) < 0.01)
 6
                return x;
 7
            else
8
                return recursive((x+y/x)/2,y);
9
        }
10
        int mySqrt(int x) {
11
12
             if(x <= 0)
13
                 return 0;
14
             return recursive(1, x);
15
        }
16
    };
```

Custom Testcase

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