



Session 100%

Assignment 10/10

Homework 6/6

Help Requests

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Question

Hints

Help Requests

Discussions

Your Score: 0

Max Score:

All

Q1

Q2

Q3

Q4

Q5

Q6

Q3. Time Complexity - 1.0

Solved



Stuck somewhere?

Ask for help from a TA and get it resolved.

Get help from TA.

What will be the Time Complexity if **solve()** function is called?

- C++
- Java
- Python

```
void solve(int n){
    int i = n;
    while(i > 0){
        if(i%2 == 0){
            for(int j = 1; j <= n * n; j += 2){
                // O(1) operation
            }
        }
        i /= 2;
    }
}
```

```
public void solve(int n){
    int i = n;
    while(i > 0){
        if(i%2 == 0){
            for(int j = 1; j <= n * n; j += 2){
                // O(1) operation
            }
        }
        i /= 2;
    }
}
```

```
def solve():
    i = n
    while i>0:
        if i%2==0:
            for j in range(1,n*n+1,2):
                #O(1) operation
            i = i//2
```

You have already attempted this problem, to see your original answer, [Click Here](#) . However you can re attempt this problem but your score will not be revised



O(logn)



O(n^3)



O(n^2 logn)



O(nlogn)