

📄

Question

💡 Hints

🔍 Help Requests

💬 Discussions

Q1

Q2

Q3


Q4

Q5

Q6

Q5. NESTED_CMPL

🟢 Solved



Stuck somewhere?
Ask for help from a TA and get it resolved.

Get help from TA.

What is the time, space complexity of following code :

- C++
- Java
- Python

```
int a = 0, b = 0;
for (i = 0; i < N; i++) {
    for (j = 0; j < N; j++) {
        a = a + j;
    }
}
for (k = 0; k < N; k++) {
    b = b + k;
}
```

```
int a = 0, b = 0;
for (i = 0; i < N; i++) {
    for (j = 0; j < N; j++) {
        a = a + j;
    }
}
for (k = 0; k < N; k++) {
    b = b + k;
}
```

```
a = 0
b = 0
for i in range(N):
    for j in range(N):
        a = a + j
for k in range(N):
    b = b + k
```

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(N * N) time, O(1) space**

☐ O(N) time, O(N) space

☐ O(N) time, O(1) space

☐ O(N * N) time, O(N) space