

What is the time complexity of following code :

```
a = 0
b = 0;
for i in range(N) :
    a = a + 25

    for j in range(M):
        b = b + 50
```

Options :

- A) $O(N) + O(M)$
- B) $O(N) * O(M)$
- C) $O(N) ^ O(M)$
- D) None