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shengtatng ~

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Problem 4

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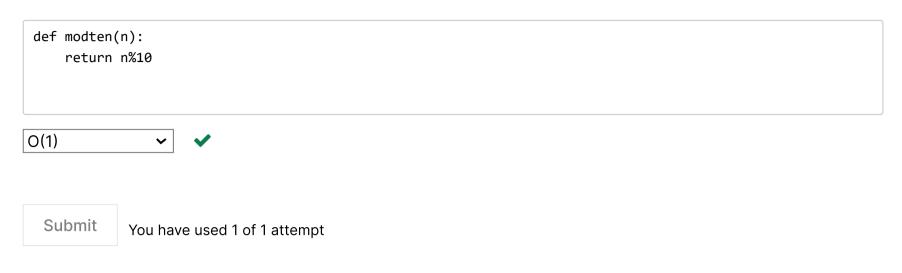
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Problem Set due Oct 21, 2022 07:30 +08 Completed

Problem 4-1

1/1 point (graded)

Consider the following Python procedure. Specify its order of growth.



Problem 4-2

0/1 point (graded)

Consider the following Python procedure. Specify its order of growth.

```
def multlist(m, n):
    ...
    m is the multiplication factor
    n is a list.
    ...
    result = []
    for i in range(len(n)):
        result.append(m*n[i])
    return result
O(log(len(n)))
```

Submit

You have used 1 of 1 attempt

Problem 4-3

1/1 point (graded)

Consider the following Python procedure. Specify its order of growth.

```
def foo(n):
    if n <= 1:
        return 1
        return foo(n/2) + 1</pre>
O(log(n)) ✓

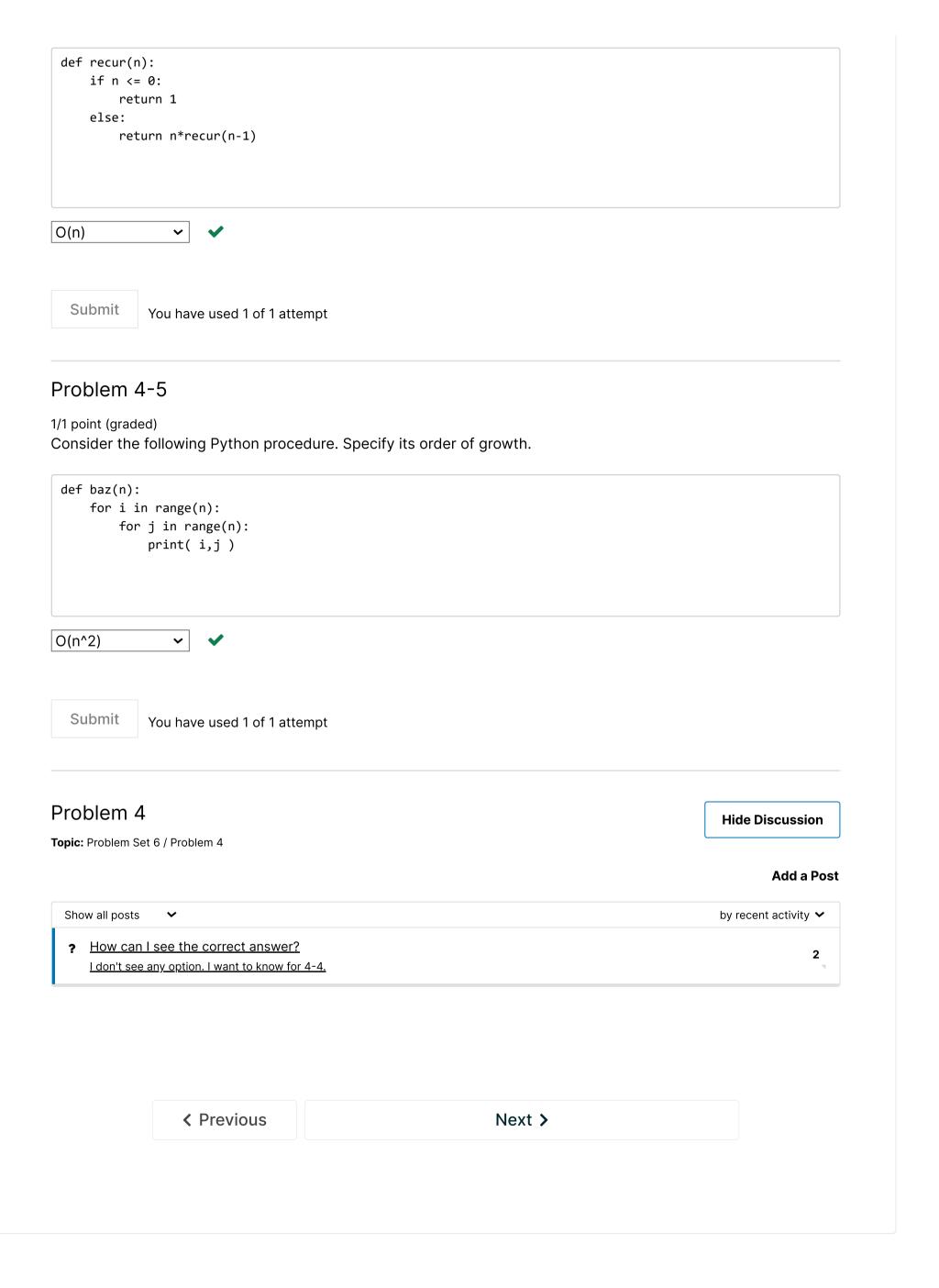
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```

Problem 4-4

1/1 point (graded)

Consider the following Python procedure. Specify its order of growth.









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