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PROBLEM 4-1 (2 points possible)

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

def modten(n):
return n%10

O(n) \$

Show Answer

You have used 1 of 1 submissions

PROBLEM 4-2 (2/2 points)

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(len(n))

Show Answer

You have used 1 of 1 submissions

PROBLEM 4-3 (2/2 points)

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)) 💠

You have used 1 of 1 submissions

Show Answer

PROBLEM 4-4 (2/2 points)

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

```
def recur(n):
if n <= 0:
    return 1
else:
    return n*recur(n-1)</pre>
```



Show Answer

You have used 1 of 1 submissions

PROBLEM 4-5 (2/2 points)

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

```
def baz(n):
for i in range(n):
    for j in range(n):
    print i,j
```



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