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Problem 4

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Problem 4-1

1/1 point (graded)

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

```
def modten(n):  
    return n%10
```



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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
```



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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
```



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Problem 4-4

1/1 point (graded)

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

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

O(n) ▼



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Problem 4-5

1/1 point (graded)

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 )
```

O(n^2) ▼



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Problem 4

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