

CS 145 Day 3 activity – stack diagrams

```
def triple(x):
```

```
    x = x * 3
```

```
    return x
```

```
def mystery(x):
```

```
    y = triple(x) + 1
```

```
    return y
```

```
x = 4
```

```
result = mystery(x)
```

```
# print(result)
```

main

x:

4

result:

~~mystery(4)~~

13



Trace the execution of the line

result = mystery(x)

mystery(4)

x:

4

y → triple(4) + 1

→ 12 + 1

→ 13

triple(4)

x:

~~4~~ 12

→ 12