Problem 1: First look at recursive stack

Consider the following Mystery function.

```python
def Mystery(num):
    if num > 0:
        return 1 + Mystery(num/2)
    else:
        return 2 + num
```

What is Mystery(2)?

What is Mystery(4)?

What is Mystery(8)?

What is Mystery(17)?

Problem 2: Forward vs. backward recursion

Draw the stack and the result of PrintOnePerLineRec:
Problem 2: Multiple recursion

How would you use multiple recursion to print lines of “We all make Duke what it is?”:

```python
def PrintDuke(num):
```