

NAME: \_\_\_\_\_

CS21 Spring 2017, Written portion of Lab 10

Due in class Friday, April 14 (Knerr, Mauskop) or Thursday, April 13 (Newhall)

Consider the following program:

```
def mystery(x):  
    print(x)  
    if (x == 1):  
        # stack Q1  
        return 1  
    else:  
        return x + mystery(x/2)  
  
def main():  
    n = 8  
    result = mystery(n)  
    print("Result: %d" % (result))  
  
main()
```

DRAW STACK HERE

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1. Draw the stack as it appears when the program reaches the line `#stack Q1`.
2. What output is produced by the whole program?