**Problem Set 4, Part I**

**Problem 1: A method that makes multiple recursive calls**

**1-1)**

1: foo(5, 3)

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2: foo(4, 2) 7: foo(4, 4)

/ \ 4

/ \

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3: foo(3, 1) 4: foo(3, 3)

/ \ 3

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5: foo(2, 0) 6: foo(2, 2)

2 2

**1-2)**

call 5 (foo(2, 0)) returns 2

call 6 (foo(2, 2)) returns 2

call 3 (foo(3, 1)) returns 4

call 4 (foo(3, 3)) returns 3

call 2 (foo(4, 2)) returns 7

call 7 (foo(4, 4)) returns 4

call 1 (foo(5, 3)) returns 11