

61A-125 Spring 2016 Discussion Quiz 06

This quiz will **not** affect your grade. (You aren't even going to turn it in.)
It only serves to give you a sense of your own understanding. Have fun!

1. Are you local?

Draw the environment diagram for the following code.

```
def red(orange, yellow, green):
    def blue():
        if 1 > 2:
            nonlocal orange # this does get executed
        else:
            nonlocal yellow # so does this!

        orange, yellow = orange + yellow * 3, orange * 4
        green = lambda indigo: int(orange ** 0.5)

        if yellow < orange:
            green = lambda violet: int(orange ** 2)

        return green(orange)
    return blue

gatsby = red(3, 2, 1)()
```
