

Tuesday, February 26

Name _____

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6.s081 Spring 2018

Miniquiz #11

5 Minutes

```
var x = 0
var y = 1
{
    var x = 2
}
x = x + 1
{
    var y = x + 3
    {
        y = 2
        var x = 5
        //BREAK
        y = y + 6
    }
    x = 2
}
```

Let γ be the stack of frames for this program, each frame denoted by $\sigma^{(i)}$ (σ for the outer most frame, σ' for a nested frame, σ'' for a doubly nested frame, etc.), each address denoted by a_i (starting at a_0, a_1, a_2 , etc.), and h be the heap. At the line denoted by break, what are the values of the following:

1. h
2. σ
3. σ'
4. σ''
5. σ'''