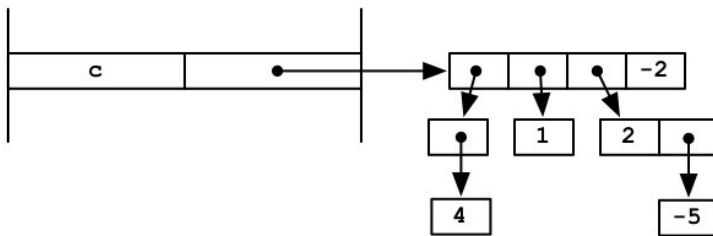


Problem Wk.1.4.2: Nested and Shared Structures

Use lists, not tuples, in all your answers.

Part 1: Nesting

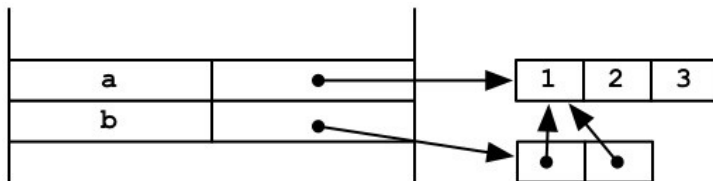
Give a Python statement which, when evaluated, would give rise to this memory structure:



```
c = [[[4]], [1], [2, [5]], -2]
```

Part 2: Sharing 1

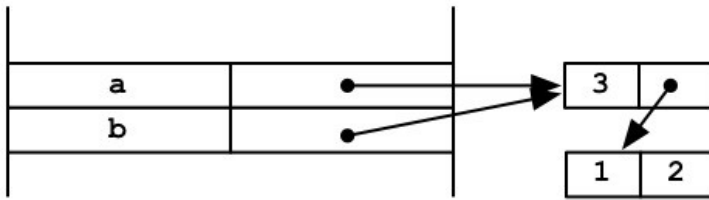
Give a Python statement which, when evaluated, would give rise to this memory structure:



```
a = [1, 2, 3]; b = [a, a]
```

Part 3: Sharing 2

Give a Python statement which, when evaluated, would give rise to this memory structure:



$a = [3, [1, 2]]$; $b = a$

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Spring 2011

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