

## **PS 7: Problems 0 and 1**

### **Problem 0: Reading and response**

*Put your response to the reading below.*

*IMPORTANT: Your entire response should fit on this page.*

I think the passage mostly talked about the advantages of biologically-inspired computing. It has a strong adaptation, which is pretty flexible to resolve problems in different areas. In recent years, it has been proved that even if the task is not clearly defined, the system could still figure out the best way to encounter problems. However, biologically-inspired computing is still very challenging to develop, and it does not fully embody computer science. Moreover, the idea to learn from the surrounding violates AI works to some extent, which makes work to be more complex.

**Problem 1: Working with nested loops and 2-D lists**

*IMPORTANT: This heading should appear at the very top of the second page.*

**1-1**

x	range(1, x)	y	value printed
2	[1]	1	3
4	[1, 2, 3]	1	5
4	[1, 2, 3]	2	6
4	[1, 2, 3]	3	7
6	[1, 2, 3, 4, 5]	1	7
6	[1, 2, 3, 4, 5]	2	8
6	[1, 2, 3, 4, 5]	3	9
6	[1, 2, 3, 4, 5]	4	10
6	[1, 2, 3, 4, 5]	5	11
			6, 5

**1-2**

a) `twoD[2][1]=16`

b) 

```
for r in range(len(twoD)):
    print(twoD[r][-1])
```

c) 

```
for r in range(len(twoD)):
    print(twoD[len(twoD)-r-1][r])
```