Problem Set 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.

What are the advantages and disadvantages of pursuing a strategy of evolving programs to solve problems, rather than writing them for a specific task?

Robotics that solve a specific task don't evolve to better things. 50 centuries from now a television that's still playing will never be capable of being a hologram. The sad fact is that in this world we only have a limited amount of resources. So, it's better to pursue a strategy of evolving, so maybe in the future, a bare minimum of resources will be used. The happy side is that with the pursuit of evolving programs, it will also be cost effective.

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] = [7, 16, 9]

b)
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for r in twoD:
    print(r[2])
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c)
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for r in range(len(twoD)):
    print(twoD[r][r])
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