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AAI 551- in class exercise 3

>>> import copy

>>> L = [[1, 2, 3], [“x”, “y”, “z”]]

>>>M = copy.copy(L)

>>>N = copy.deepcopy(L)

>>>L[1][1] = 4

Part A: What is the value of M after this code is executed?

M == [[1, 2, 3], [“x”, “4”, “z”]]

Because M is a shallow copy, it does not copy the inner lists, so modifications to L are reflected in M

Part B: What is the value of N after this code is executed?

N == [[1, 2, 3], [“x”, “y”, “z”]]

Because N is a deep copy, it copies the inner lists, so modifications made to L do not affect N