# Calculations with two lists

Trains: for-loops with lists

## Exercise:

lys1 = [5, 6, 2, 9]

lys2 = [3, 8, 3, 6]

Use a loop to generate, based on these lists, a new list of length 3 that contains the product of the first value of lys1 and the second value of lys2, the product of the second value of lys1 and the third value of lys2, and the product of the third value of lys1 and the last value of lys2:

lys3 = [40, 18, 12]

Then replace lys1 and lys2 with the lists below and generate lys3 according to the same logic. Lys1 and lys2 have length 17 and lys3 thus needs to have length 16. If necessary, change your program to account for these new lengths.

lys1 = [7, 3, 2, 5, 1, 4, 4, 6, 2, 9, 1, 6, 3, 2, 6, 5, 5]

lys2 = [8, 9, 8, 9, 6, 4, 5, 5, 8, 2, 4, 3, 1, 6, 5, 6, 5]

What is the value of sum(lys3) for the new lys3?

Answer: 365