

Products of array except self - using prefix and suffix
(optimal)

class Solution:

def prod_of_array(self, nums: list[int]) -> list[int]:

result = [1] * len(nums)

prefix = 1

for i in range(len(nums)):

result[i] = prefix

prefix * = nums[i]

postfix = 1

for i in range(len(nums) - 1, -1, -1):

result[i] * = postfix

postfix * = nums[i]

return result

print(Solution().prod_of_array(nums=[1, 2, 4, 6]))