Product of avay except self - using brute free
class Solution:
def prode of a overy (self, nums; list [int]) -> list [int]
n = len (nums)
n = len (nums) $sesult = [0] * n$
$       \int s = i                           $
ptod = 1
for i in large (n):
$i\int_{i}^{\infty} i = -i = 0$
continue
prod = nums [j]
result CiJ = prod
7
between result
print (Solution). prod_ of_overay (nums= (1,2,4,6])

Step 1: Self-> solution instance rums-> [1,2,4,6] n-74 result-7[0,0,0,0] Step 2: S for i in range (n): prod -7 1 Step 3: for j in temperal;if i = -j: continue pood \*= num S [j]15t Horation:  $j \rightarrow 0$  i = -j Thue -j continue nums = [1,2,4,6] 2nd Heration:

j->1

prod -> 1 \* 2 -72 3rd iteration: j->2 prod->2 \* 4-78 4th Heration: j-73 prod -7 8 \* 6 -7 48 Step 4: result [i] = prod result = [48,0,0,0] Step 5: i becomes 1, then prod restorts to the initial volvey 1. then j becomes 0 again and prod will be I and so on.
when j becomes 1, the iteration will then be skipped, then
j->2 therefore prod-> 4 => j->3 and prod-> 24
this will result in having -> [40,24,0,0]

Jep 6! i becomes 2, then prod restorts to the initial volumes 1. then j becomes 0 again and prod will be 1 and coon.

When j becomes 2, the iteration with then be skipped, then

j-73 and prod -> 12 =>

Result -> [48,24,12,8]

The lessult will be-7 [48,24,12,8]