	Pod	ucts	ef	wiray	except	5et -	USing (E	prefix an	nol suffix
) QS 3	C U	Lut	son:						
&	de	prod	-	array	(self,	MANS;	list Lint	J) >{	îstent];

result = [1] & lon(nums)

for i'n range (len (nums)):

result \(\text{Li} \) = profix

post fix = 1

for i'n range (len(nums) -1, -1, -1):

result \(\text{Li} \) \(\text{T} = \text{postfix} \)

result \(\text{Li} \) \(\text{T} = \text{postfix} \)

return \(\text{result} \)

print (Slution). prod-of-array (nums=[1,2,4,6])

Step 1: self -> solution instance nums -> [1,2,46] result-> [1,1,1] prefix -> 1 For in Eargo (len (nums)):

result [i] = profix

profix = nums [i] Stocations 1st => i-70 result= [1, result 20] -> 1 profix -> 1 th 1 2nd => i-> 1 Esult=[1,1 Esself [1] -> 1 netx > 1 42 3bd = 772Sesult = [1,1,2 result [2] -> 2 metx > 2 4

bast => 1->3 Desult = [1/1/2,8] result [3] -> 8

pdefix -> 8 # 6 => 48 Step 3: Nostfix ->1 Step 4: $\int fr i in sample (len(mums) -1, -1, -1)$: result(i) = postfix postfix = numsLiJrum= [1,2,4,6] Heatims! 1st, [-73 result [3]-> 8 # 1 Sesult = 21,1,2,8] postfix -> 1 # 6 2nd = 1 -> 2 _ Esult = [1,1,12,8] Eesul+52] -> 2#6 postfix 76#4 i-71 zesult [1] -> 1#24 Ztol. result = [1,24,128]

postfix -> 24 & 2 27/2. i->0 2+5ul+[0]->1*48 100+fix-748 Sesult = [48,24,12,8]