Two Sum - hash map (two pass) class Solution:

def texto-sum (self, nums: List Eint], toget: int)

-> List Lint]; indices = £9 for i, num in enumerate (nums); indices [num] = j for i, rum in enumerate (nums);

diff = target - num

if diff in indices and indices [diff]!=i:

refurn [i, indices [diff]]

pain+(Solution(). from Sum (nums = [3,4,5,6], target = 7)

Step 1: set -> solution instance nums -> [3,4,5,6] taget -> 7 indices -> 29 (empty)

Stop 2: ( for i, num in enumerate (nums):)

i-> 8

num -7 3

Step 3: indices [num] = i indices [3] = 0 => indices = 23:09

Step 4: (for i, num in enumerate (nums))

1-> 1

num -> 4

Step 5: (indices [rum] = i)

indices [4] = 1 => indices -> 23:0; 4:19

Step 6: we iterate inother 2 times i-) 2, and then 3 num -> 5 and then 6 indices -> £3:0; 4:1; 5:2; 6:3 g

second Horation

Step 7: (for i, num in enumerate (nums))

Step 8: (diff = target - num)

df = 7-3 => 4

Step 9: (if diff in indices and indiceoldiff]:-i)

indices [4] = 1 = 7 indices [4] != 0

Step 10 : return [i, indices [diff]]

keturn [0,1]