

$O(n)$

(2, -5, 0, -2, 3, 7, -10, 6)



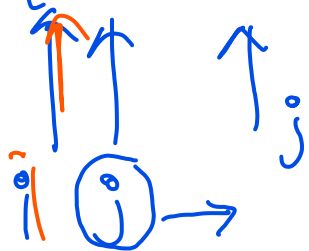
+ve away [2, 0] Time = $O(n)$

-ve away [] Space = $O(n)$

② time = $O(n)$ space = $O(1)$

fast runner, slow runner

[2, -5, 0, -2]



[-2, -5, 0, 2]

[-5, 2, 0, -2]

$i=1, j=1$



i j

[-5, -2, 0, 2]

$O(n)$

$O(n) \times 3$

$i = A[j]$

$j = A[i]$

$i = A[i]$

[-ve 2, -2, -5, 3]

$O(n)$