

Ques

Reverse the array

0	1	2	3	4	5
5	9	2	3	7	1

(2)

⇒

↑
right ↑
left

5 9 2 3 7 1

Ques

Inverse of an array

arr

0	1	2	3	4
2	3	1	4	0

i

$$0 \leq a[i] \leq n-1$$

⇒ res

0	1	2	3	4
4	2	0	1	3

$$\text{res}[\text{arr}[i]] = i$$

Ques Target Sum pair

target
= 10

1 | 5 | 3 | 9 | 7 | 6 | 2

↓
⇒ 1, 9
3, 7
↑

①

1 5	5 3	3 9	9 7	7 6	6 2
1 3	5 9	3 7	9 6	7 2	
1 9	5 7	3 6	9 2		
1 7	5 6	3 2			
1 6	5 2				
1 2					

first no → 0 $n-2$
Second no → first + 1 $n-1$

② a) Sort the array

0 1 2 3 4 5 6
1 | 2 | 3 | 5 | 6 | 7 | 9

1, 9
3, 7

↑ ↑
2 5

	1	2	3	4	5
1					
2				k	
3		Q			
4					
5					

Q	k
2	1
3	2
4	3
5	4
4	1
3	2
2	3
1	4

$$y_2 - y_1 = x_2 - x_1$$

$$\text{Math.abs}(-2) \Rightarrow 2$$

$$\text{Math.abs}(y_2 - y_1) == \text{Math.abs}(x_2 - x_1)$$

$$x_2 == x_1$$

$$y_2 == y_1$$