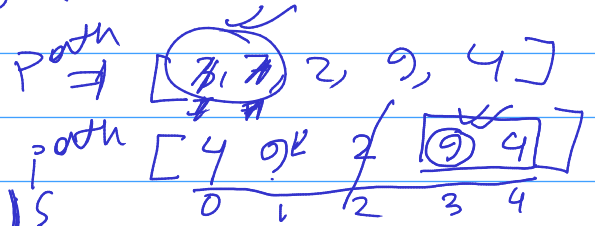


given \rightarrow int $path[] = \{3, 7, 2, 9, 4\}$
 result \rightarrow int $path[] = \{4, 9, 2, 7, 3\} \leftarrow$

```

1 for (int i=0; i <= 4; i++) {
  // for (int j=4-i; j >= 0; j--) {
    path[i] = path[j];
    break;
  }
}

```

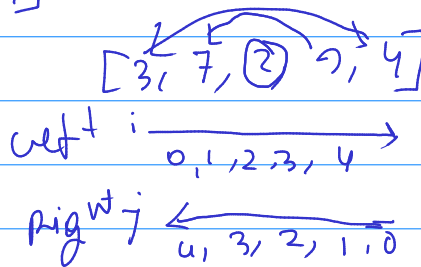


\Rightarrow ① $path[0] = path[4]$
 \Rightarrow ② $path[1] = path[3]$
 \Rightarrow ③ $path[2] = path[2]$
 \Rightarrow ④ $path[3] = path[1]$
 \Rightarrow ⑤ $path[4] = path[0]$

$path = [3, 7, 2, 9, 4]$

$\Rightarrow i=0 \quad i++$

$\Rightarrow j=4-i \quad j--$

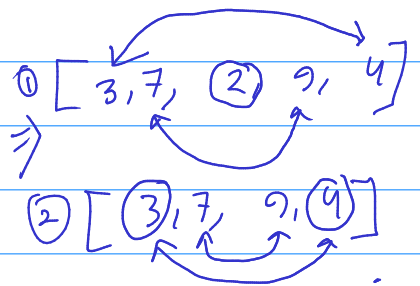


① int left=0
 int right=4. \leftarrow

```

while (left < right) {
  int temp = arr[left];
  arr[left] = arr[right];
  arr[right] = temp;
  left++;
  right--;
}

```



\Rightarrow arr = [1, 2]
 \Rightarrow temp = arr[0]
 \Rightarrow arr[0] = arr[1]
 \Rightarrow arr[1] = temp

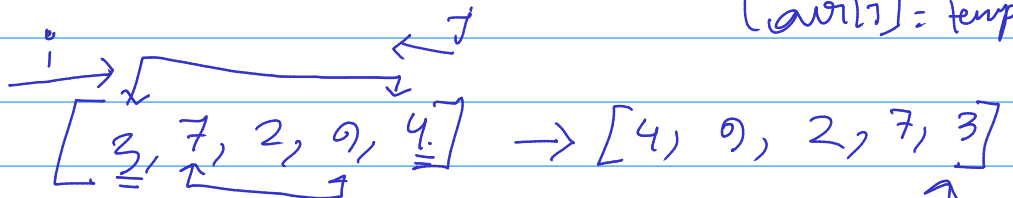
temp = arr[i]
 arr[i] = arr[j]
 arr[j] = temp

$(i < j) \leftarrow$

```

{
  temp = arr[i];
  arr[i] = arr[j];
  arr[j] = temp;
  i++;
  j--;
}

```



\Rightarrow temp = arr[0];
 \Rightarrow arr[0] = arr[4];
 \Rightarrow arr[4] = temp;
 \Rightarrow temp = arr[1];
 \Rightarrow arr[1] = arr[3];
 \Rightarrow arr[3] = temp;