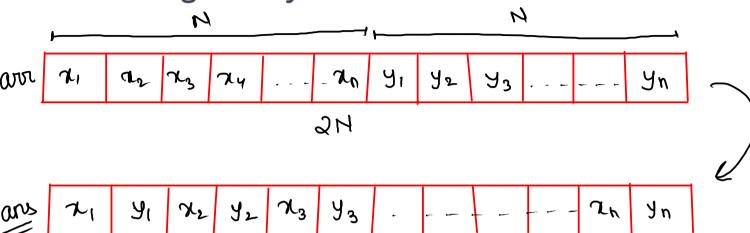
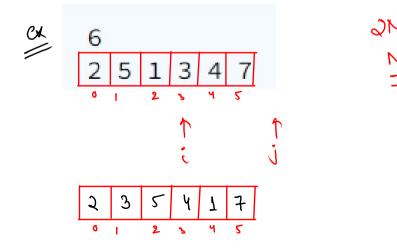
Interleaving x and y Elements





```
public static void main(String[] args) {
    /* Enter your code here. Read input fi
    Scanner scn = new Scanner(System.in);
    int n = scn.nextInt();
    int[] arr = new int[n];
    for (int i = 0; i < n; i++) {
        arr[i] = scn.nextInt();
    interleaving(arr, n);
public static void interleaving(int[] arr, int n2) {
    int n = n2 / 2;
    int[] ans = new int[n2];
 \rightarrow int i = 0;
 \rightarrow int j = n;
 int k = 0;
    while ( k < ans.length ) {
        ans[k] = arr[i];
        k++;
        j++;
        ans[k] = arr[j];
        k++;
        j++;
    for (int c = 0; c < ans.length; c++) {
        System.out.print(ans[c] + " ");
```

```
an
     n2 = 6
ans
```

leetcode

```
public int[] shuffle(int[] arr, int n) {
    int[] ans = new int[2 * n];
    int i = 0;
    int j = n;
    int k = 0;
    while ( k < ans.length ) {
        ans[k++] = arr[i++];
        ans[k++] = arr[j++];
    }
    return ans;
}</pre>
```

Maximum Product Subarray 2

maxi =
$$8 \times -3 = -24$$
 (3, 6, 6)
mini = $-48 \times -3 = 144$ (-1, -6, -3)
overall Max = 268 144 (2, 8, -48)
(-3, -24, 144)

Note: we need to store manimum value at all time we need to store minimum value at all time

$$max = -2 2 -3 4 5 -6$$

$$max = 720$$

$$min = -1440$$

$$conax = -2 2 12 48 246$$

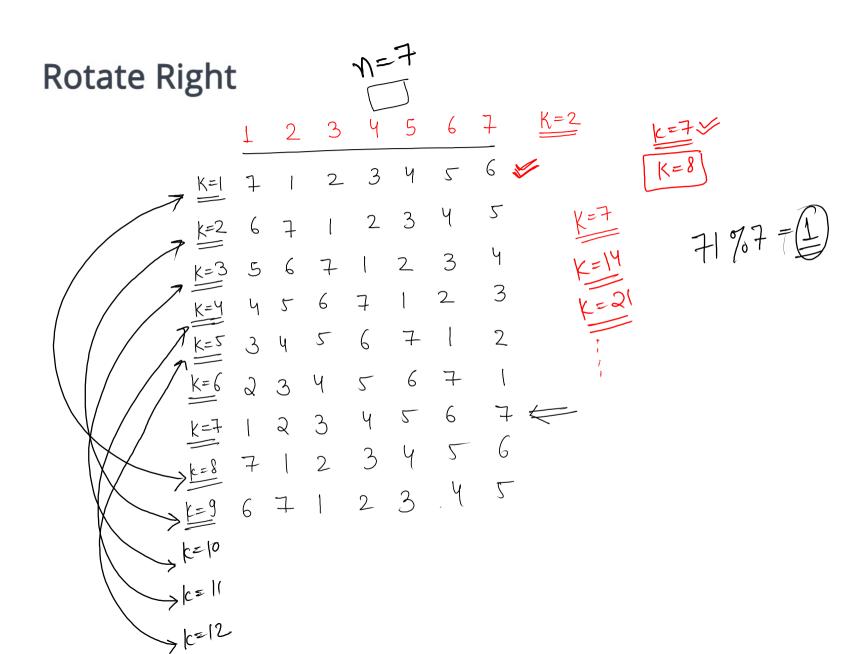
$$(2,-4,-4)$$

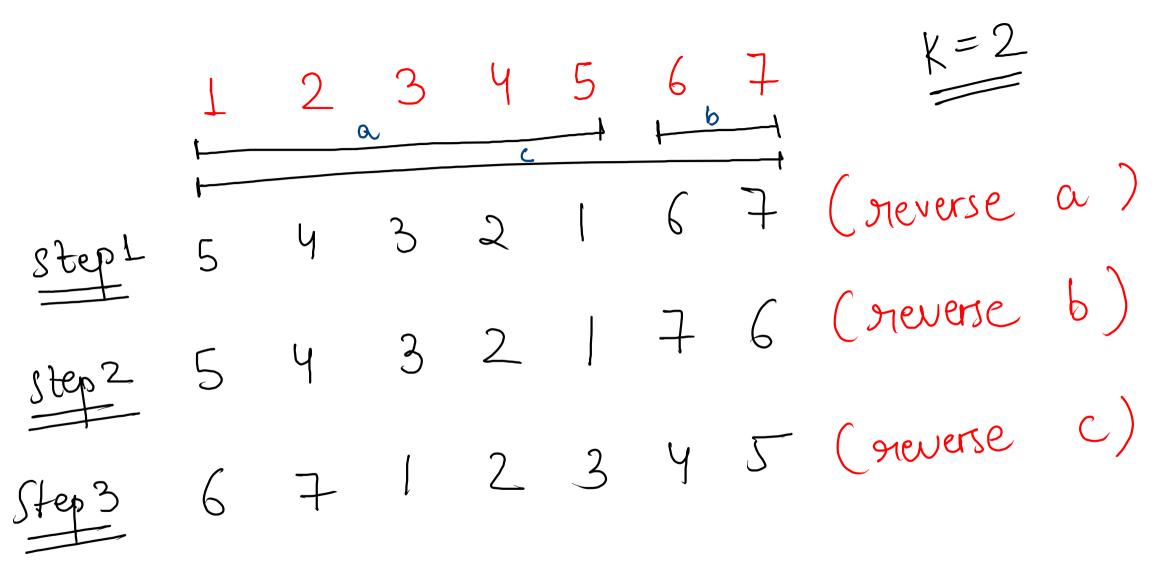
$$(-3,-6,12)$$

$$(4,48,-24)$$

$$(5,240,-120)$$

$$(-6,-1440,720)$$





4-1=3 (neverse a) 3 2 1 7 6 (neverse b) 2 3 4 5 (neverse c)