

```

class Solution {
    public int[] sortedSquares(int[] nums) {
        int n = nums.length;
        int[] result = new int[n];

        int left = 0;
        int right = n - 1;
        int index = n - 1;

        while (left <= right) {
            int leftSquare = nums[left] * nums[left];
            int rightSquare = nums[right] * nums[right];

            if (leftSquare > rightSquare) {
                result[index] = leftSquare;
                left++;
            } else {
                result[index] = rightSquare;
                right--;
            }
            index--;
        }

        return result;
    }
}

```

OUTPUT:

☒ Testcase
 |
 [>_ Test Result](#)

Accepted Runtime: 0 ms

☒ Case 1

☒ Case 2

Input

```

nums =
[-4,-1,0,3,10]

```

Output

```

[0,1,9,16,100]

```

Expected

```

[0,1,9,16,100]

```