27 December 2024 20:16

Next Greafer on left ara=[3,4,3,2,1] Output [-1,-1,4,3,2] Solution: -1. We start (ook from left forlint i=0; i<arr.lengtl, i+t) 2. We will push values into stack St. peck() value should be greater. 3. If value in stack is smaller then we will keep popping, until Value in Stack is greater. Code: Stack (Integer) st= new stack (>(), int rest] = new int[n]! for lint izo; izarr.lengthi itt) ? if Lst.is Compty()){

M2 DAY27 Stack-3 Page 1

fesel if (st. peek()> GrrCiJ) { rescij-st.peek(); St. push (arrti]; while (Ist. is Empty() & a st. peek () < = coro [i]) st. [00](); if (st. is Empty())? St-push (arreij); 'Lelse f res[i] = st. peek(); St. push (arr(i]);

J for (int i=0; (\square, (++))) S.o.p (\square, \quare, (++)); }

Asteroid Collision

$$n = 6$$
 $arr = [2, 5, -10, 10, 5, -5]$

M2 DAY27 Stack-3 Page

```
if (is Present) {
    st. push (arr [i]);
ArrayList (Integer) al: new ArrayList (st);
Point all values of array List
    int arr[] = new int[st.size()];

for [int i=0; i< st.size(); i+1) {
     arrij: st.get(i);

frint all values of arrij
```