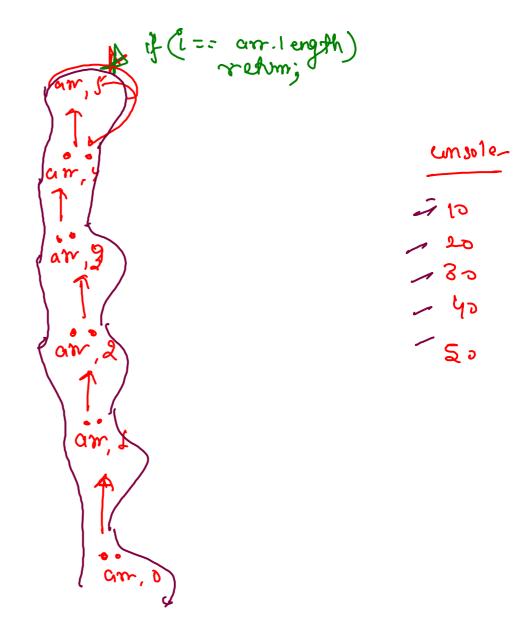


traversal  $-10^\circ$  arr  $\frac{1}{2}$  grader  $\frac{1}$  grader  $\frac{1}{2}$  grader  $\frac{1}{2}$  grader  $\frac{1}{2}$  grader  $\frac{$ 

general term disp(cm,i) -> Syso(am(i))
display (em, iti);

```
public static void display(int[] arr, int i) {
    // my work
    System.out.println(arr[i]);
    // faith
    display(arr, i + 1);
}
```



Display Array Reverselo 28 So point 1 Expectation - dispRev(am,0) - 50 40 30 20 10 dieplay (arr, 0); fath - desphor (arr,1) - 50 40 30 20. disp Rev (am, 0) - 50 40 30 ,20 (50) hegging. diepher (an, 1) Eyso (aim (a)) dusprev (an, a) = display (Rev(ar, i +1); display Rev (am, i) -1 syso (amie)?

## display Rev ( low level)

NOTE

NOTE

Preside lass

Pass

Post 9n cn

L'++, x

am. am,

if (i = = arr, (eyth) ret

Consile
50

40

30

40

Max from on Moy-

Expectation: max(am,0) \_\_\_\_\_ o to lyth. 1 } Max value

feith max(am, L) \_\_\_\_ P \_\_\_\_ Lo register. 1 } R. rag.

Merging \_\_\_\_ max(am,0) = o \_\_\_\_\_\_ to leyth. 1

max(am,0) = max(am, L).

mer. Mach. max (mes vs am [0]);

mar (iam, i) - rres = mar (am, iti);

set most most mat (rres, ar (i7),

gral ide Bose cosearr, 4 9 dentity Max 00 = 4 - 800 \_00 vs. am[3]; L vs am(2) arr, 2 am[1] 9 VS am, 1 am, o am [D] **નુ** 1/2

ar - 10 20 30 40 50 60 data = 50 Retirn. if data present - Tru. otherwise, — false Expectation find (am, o, data) faith
Find (arr. 1, data) - False. } Recussion. fin(arr, o, data) - // chec yourself Merying if (corr (ind)= = dato) redy find (an, i and fl, day).



```
// dtf => data to find
public static boolean find(int[] arr, int indx, int dtf) {
    // check yourself
! if(arr[indx] == dtf)
    return true;
}
// otherwise, rres is ans
    return find(arr, indx + 1, dtf);
}
```

