→ Eq. [14810] [23679], K=6

We have to choose 6th element from sorted array

[1234678910]

So, we divide the array such that we have 6 element on legtside 6 4

0772 5 6 need 1 more

Now if we decide to pick O element from arri, then we will have to pick all element from arri, but we notice that arra have only 5 element. — so no matter what left side array count cannot be 6.

In that case, we cannot be picking a element from arr1, there has to be atteast 6-5=1 pick from arr1, ... Low= mar(K-n,0)

Now Similarly, I) we decide to pick a element from arra, our arra does not have 6, element, it only has 4 6 4

0111 4

need a mor

So to prevent that, we cannot have a prok from arrz, we need to have 6-4= 2, pict from arrz

thigh = min (Kim) 4 this will make sure that we do not pick all elements from arrit & pick a elements from arrit & pick a elements from arrit

Eg: m= 4 n= 5

30 based on this, arms - will have atteast a element & max of 4, element

\* So In that case

when arr 1 = 1, arr 2 = 6-1 = 5, we can pick 5 element from arr 2 [#all element from arr 2]

+ When we pick 4 element from arris (# all element from arri)

the we will pick at least a element from arris

6-4=2