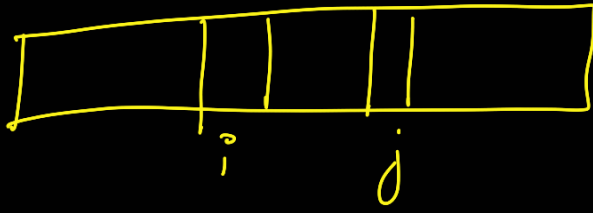


R to L LIS R to L \rightarrow solve right 1st
 $dp[i] \rightarrow$ LIS from $(i$ to arr.length))



for j on right of i $arr[j] > arr[i]$ hai
 LIS length inc

& then LDS mai condition change !!

L to R

$i = 0$ to $arr.length - 1$

phle Left wali solve
 hote hain & move to right

$dp[i] \rightarrow$ LIS from $(0$ to $i)$

R to L

$i = arr.length - 1$ do

phle right wali solve
 hote hain & move to
 left

$dp[i] \rightarrow$ LIS from
 $(i$ to arr.length))

DP

Top down \rightarrow Recursive (Memoization)

Top down As an Top big problem
 breaks into smaller problems & then
 smaller problems resolve to base case

↳ ~~Getting~~ up → small problem
 given soln to bigger problem
 { there no need to break big
 problem into small problem }

