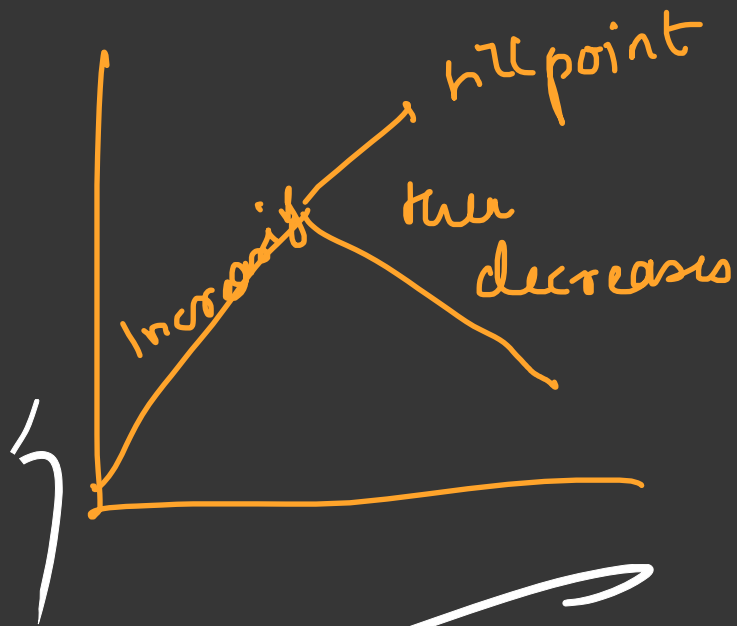


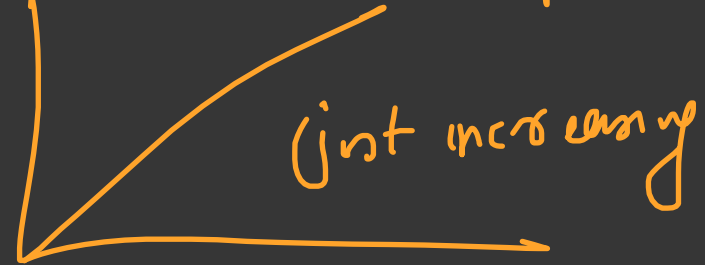
Longest Bitonic Sequence

Bitonic means

Increasing till point then decreasing



or

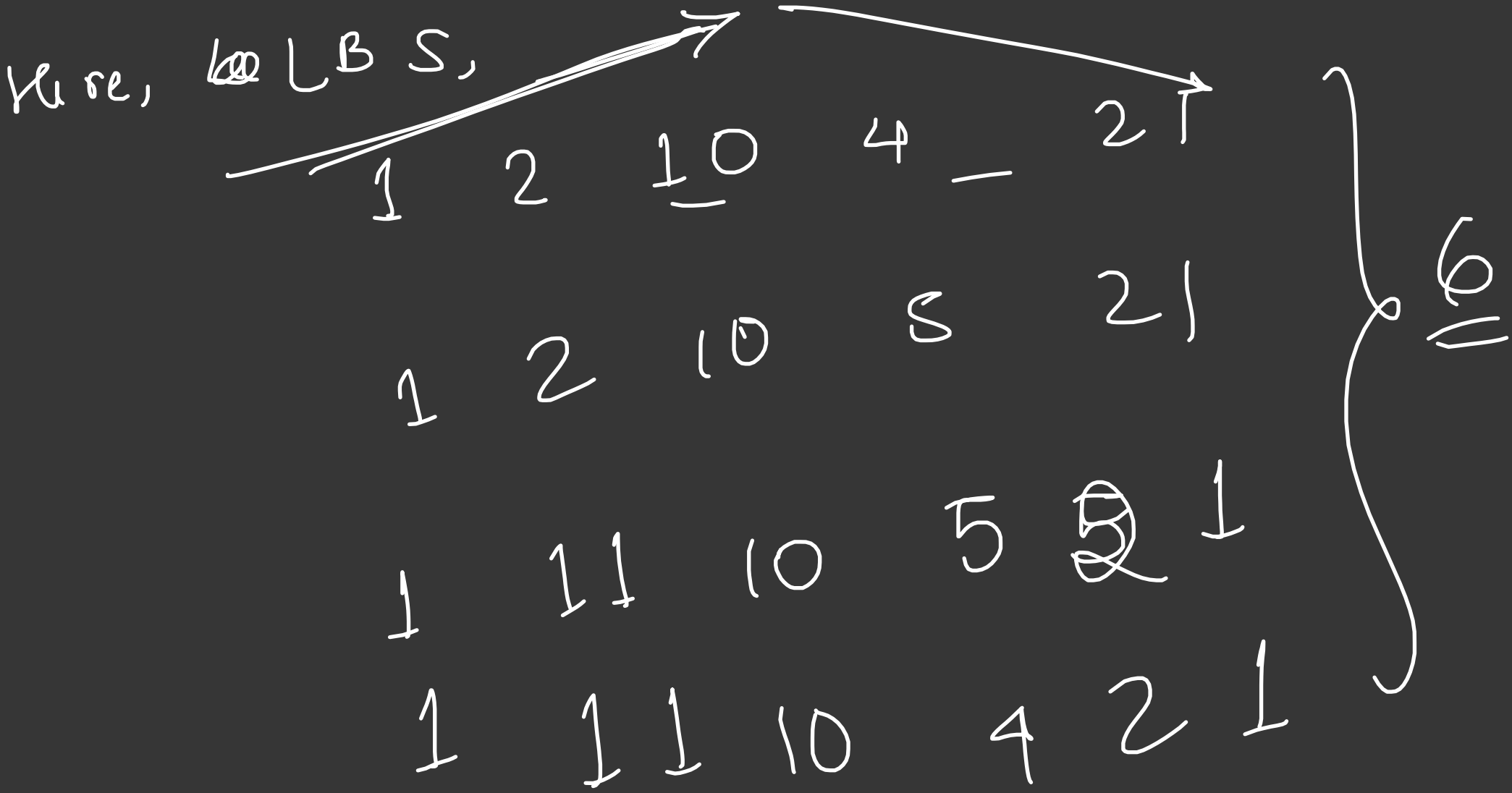


or



eg:

arr = { 1, 11, 2, 10, 4, 5, 2, 1 }



Approach:

	1	1	1	2	10	4	5	2	1
dp1[]	1	2	2	3	3	4	2	1	

signify → This say the len of LIS increasing

dp2[]	1	5	2	4	3	3	2	1	
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Let say ~~points~~ ^{at} 10 what is the len of increasing forward & increasing backward

4 + 3 = 7 but 10 is common

$\frac{-1}{6} \rightarrow$ len of the LBS

Bi-tonic array

1 6 3 6 5 6 3 1

└─ maximum

