

1) LIS (Longest Increasing Subsequence)

	↓	↓	↓	↓	↓	↓	
v →	3	1	2	5	2	4	5
dp →	1	1	2	3	2	3	4

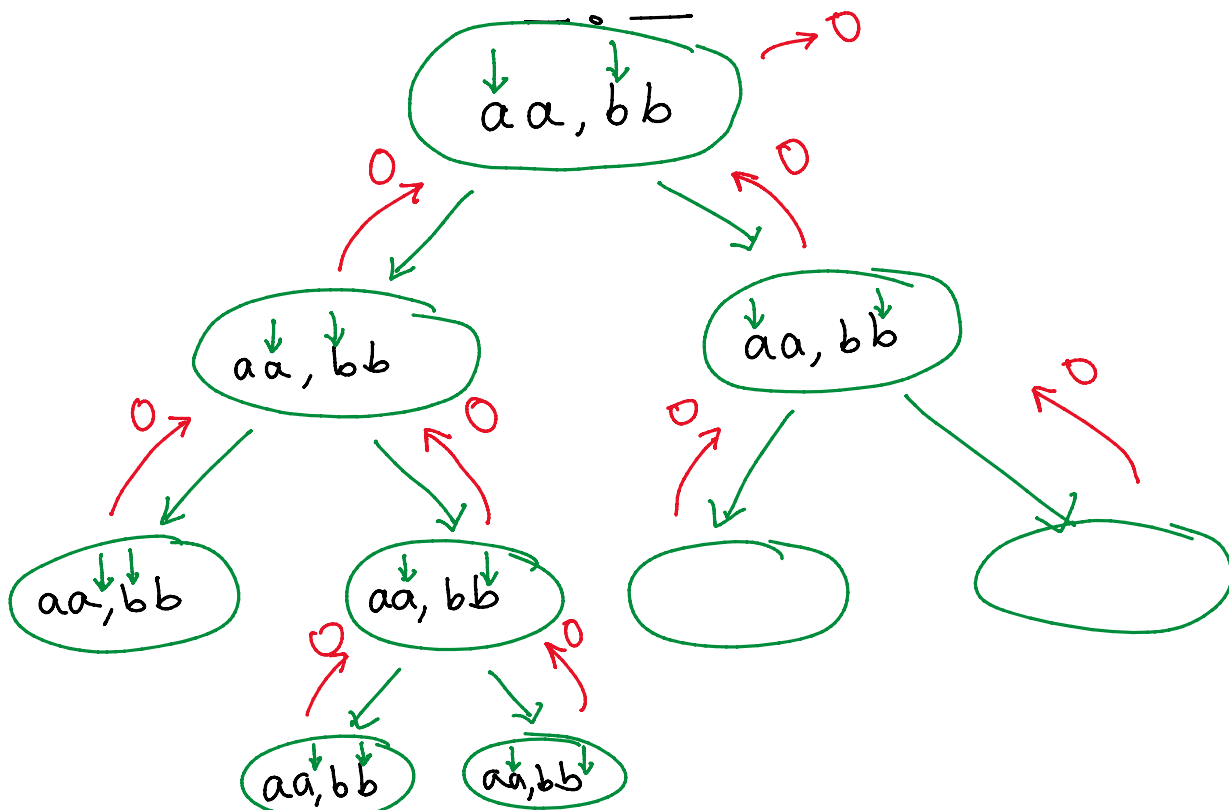
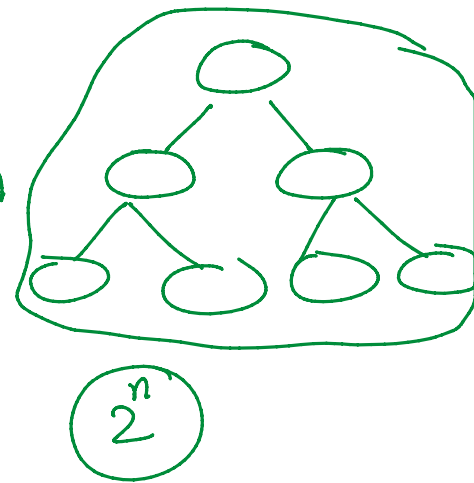
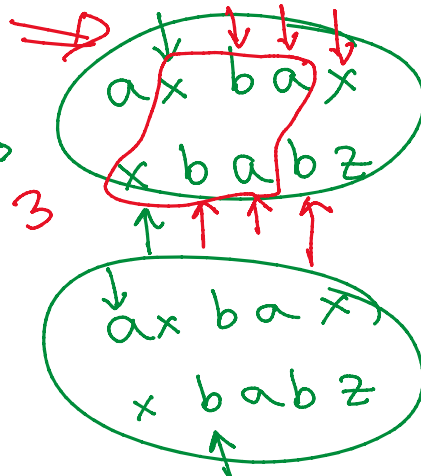
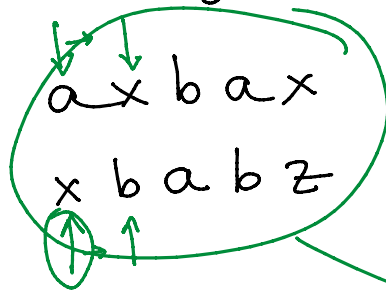
↕

→ 4

$$1 \leq n \leq 1000$$

$dp[i] = i$ তম পর্যন্তের ডানদিক
include করে longest increasing
subsequence এর length.

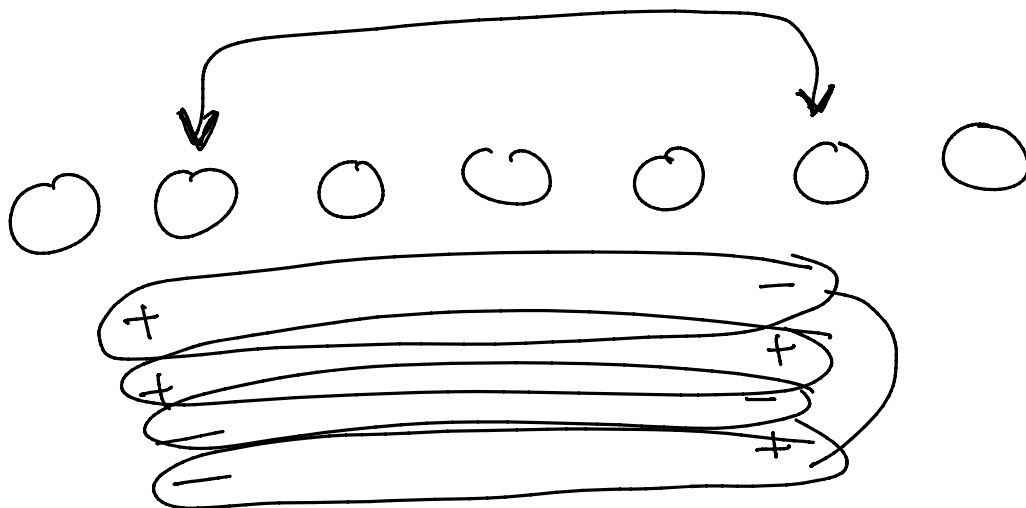
2) LCS = Longest Common Subsequence



aa, bb aa, bb

$$+ a_0 - a_1 + a_2 - 5$$

$$+ a_0 - a_1 + 5$$



1	2	3
3	2	1

$$K = 5$$

5
1 1 1 2
1 2 2

$$f(pos, \pi em) \rightarrow f(pos+1, \pi em - (x A[pos]))$$

$$f(pos, rem) \rightarrow \dots$$

$$\searrow f(pos+1, rem)$$

C_{pos}

~~A_{pos}~~

$$\boxed{rem == 0}$$