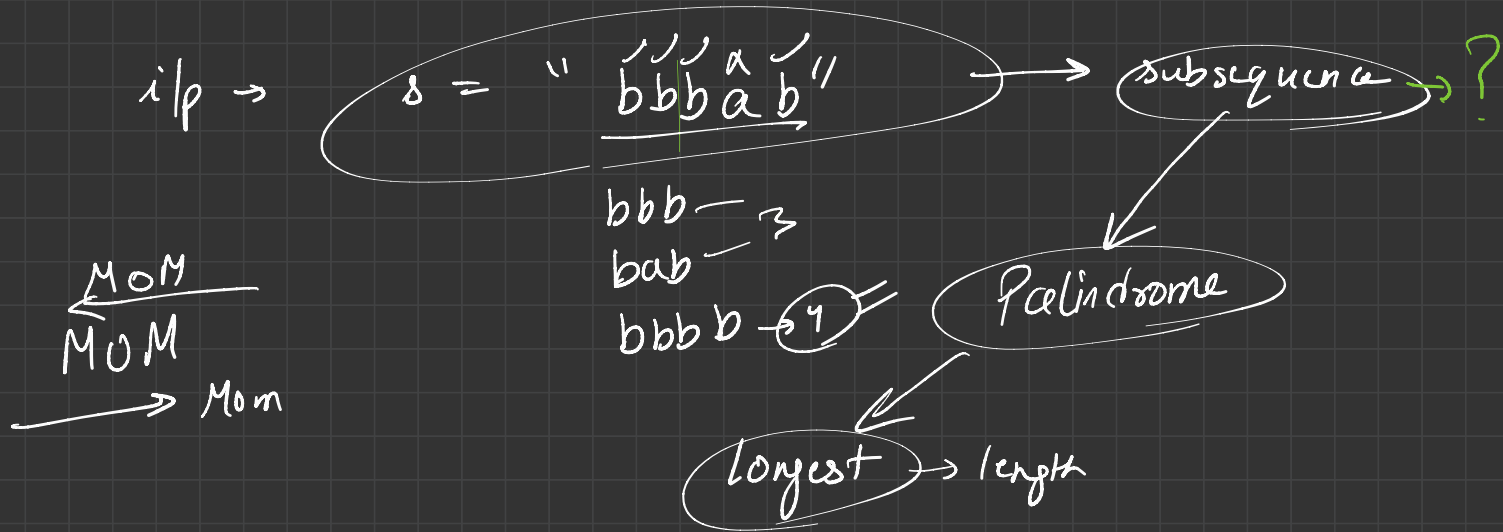



Dynamic Programming

→ Longest Palindromic Subsequence



~~c b c~~

str =

c b
r x

a =

"a c d e f"
✓ x x x x

a e f =

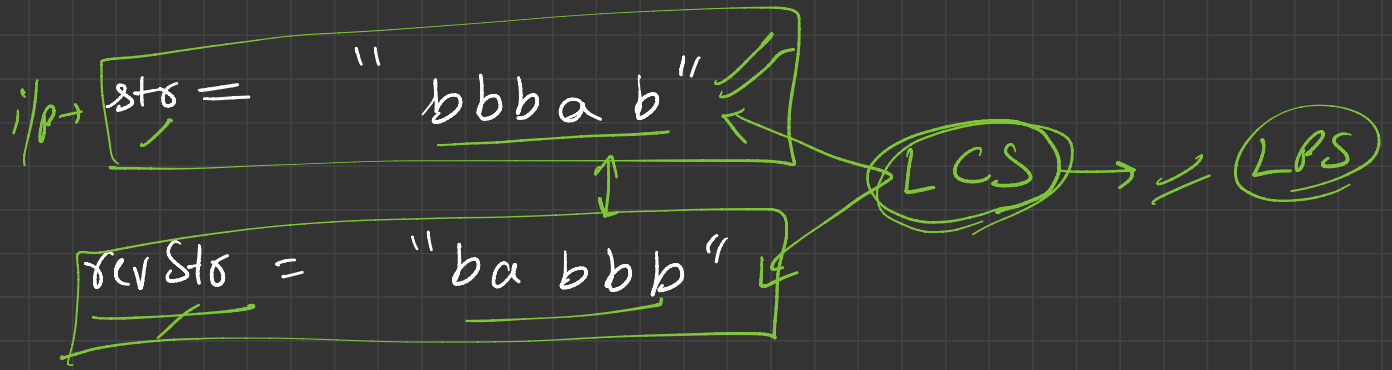
relative ordering

"a b c"

✓ x x
a ✓ x
x x ✓
✓ ✓ x
a ✓ ✓
✓ x ✓
✓ ✓ ✓

→ ""
→ a
→ b
→ c
→ ab
→ bc
→ ac
→ abc

8 subsequence



Palindrome → reads

aca → (aca)

s = "acaacab"

BF → all subseq → each subseq —
↓
palindrome
↓ yes
max length
update

revs = "bacaca"

