

Longest SubSequence Without Repeating Characters

String: "abcabcbb" ← Input

SubString: "", maxLength = 0

① abcabcbb
↑
a
maxLength = 1

② abcabcbb
↑
ab
maxLength = 2

③ abcabcbb
↑
abc
maxLength = 3

④ abcabcbb
↑
Split
a|bca → bca
maxLength = 3

⑤ abcabcbb
↑
b|cab → cab
maxLength = 3

⑥ abcabcbb
↑
c|abc → abc
maxLength = 3

⑦ abcabcbb
↑
a|bcb → bcb
maxLength = 3

⑧ abcabcbb
↑
cb|b → b
maxLength = 3