Subsequence

str = a b c → $2^n \Rightarrow 2^3$

$= 8$

_ _ _

a _ _

_ b _ ⇒ Non-Contiour

_ _ c

a b _

_ b c

a _ c

a b c

Substring

str = a b c → $\frac{n(n+1)}{2}$

$= 6$

a
b
c
a b
b c
a b c

⇒ Continuous
⇓
can't leave character in between

Find all subsequence

get_subsequence(abc)

- with "a"
- or
- without "a"

→ get_subsequence(bc)

Recursive equation

getSS(abc) {
- a + getSS(bc)
- _ + getSS(bc)

a + ["b_", "_c", "bc", "__"]

_ + [" "]

"ab_" | "_b_"
"a_c" | "__c"
"abc" | "_bc"
"a__" | "___"