Subsequence

abc — Print all subsequence

abc — Subsequence → Subset

abc — subsequence → subset size

abc

abcd

bcd ✓

acd ✓

dca ✗

(d ac) ✗

abc

	b
a	bc
ab	c
abc	ac

Subsequence

String → Print all subsequence

abc

a

ab

abc

	c
	bc
b	ac
ab	abc

Subsequence(3)

2^3 = 8

String pass = "abc"

String ans = "" → Void

[abc, ""] → f

→ c, b, bc, a, ac

a — a1 / a0 — bc, a0 — create recursion

ab — a1 / a0 — c, a0 — ac

abc — a1 / a0 — bc, a0 — ac

```
public static void main(String[] args) {
    // TODO Auto-generated method stub
    String ques = "abc";
    print(ques, "");
}

public static void print(String ques, String ans) {
    if (ques.length() == 0) {
        System.out.println(ans);
        return;
    }
    char ch = ques.charAt(0);
    print(ques.substring(1), ans);
    print(ques.substring(1), ans + ch);
}
```

ch = 'a'

ans = "bc"

ans = "c"

ans = "b"

ans = "bc"

ans = "a"

ans = "ac