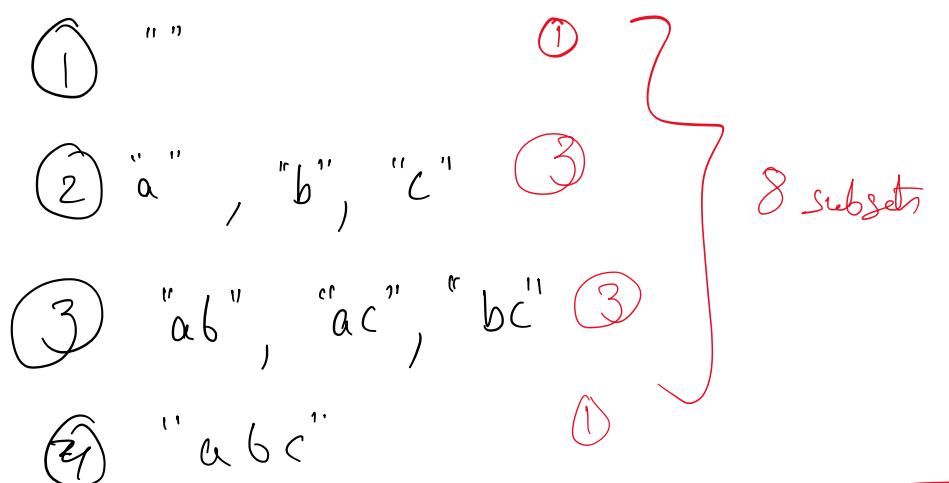


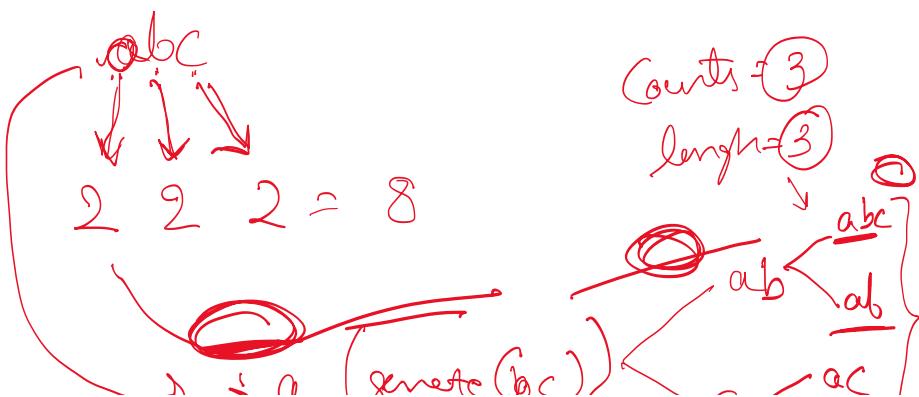
Subset of string

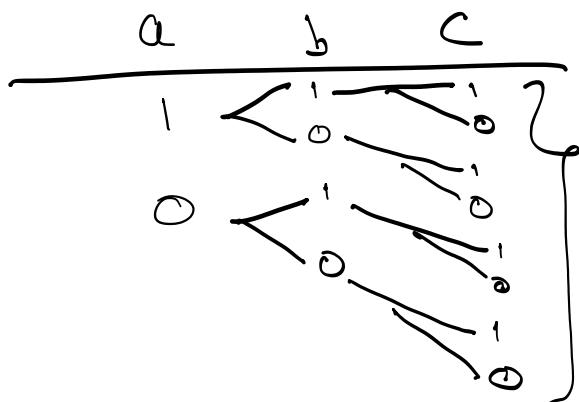
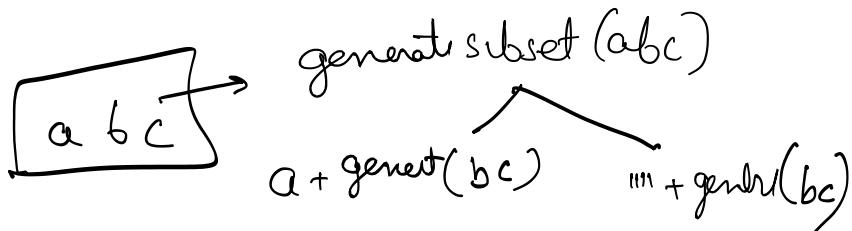
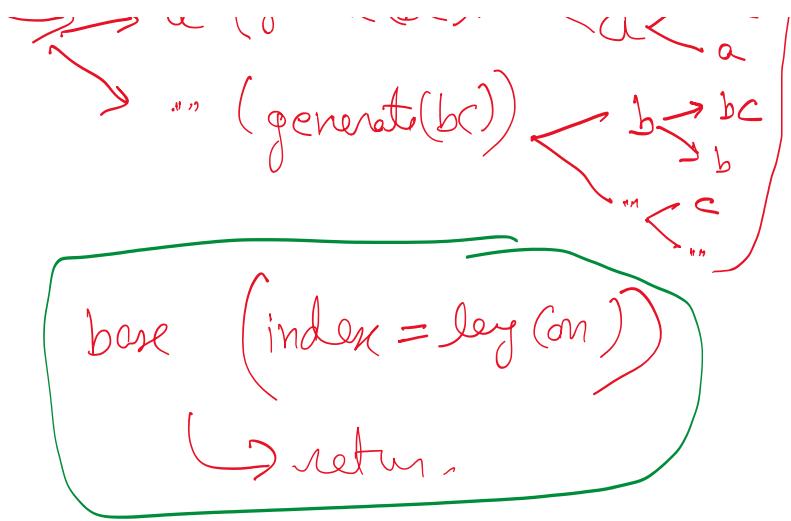
Subset :-

- $S = \{1, 2, 3\}$
- ① $\{\}$
 - ② $\{1\}, \{2\}, \{3\}$
 - ③ $\{1, 2\}, \{1, 3\}, \{2, 3\}$
 - ④ $\{1, 2, 3\}$
- 

Eg $S = "abc"$

- ① "
 - ② "a", "b", "c"
 - ③ "ab", "ac", "bc"
 - ④ "abc"
- 
- 8 subsets





```
def generate_subset(s, current = "", index = 0):
    if index == len(s):
        print(current)
        print("-----")
        return
```

→ generate_subset(s, current + s[index], index + 1)
 → generate_subset(s, current, index + 1)

