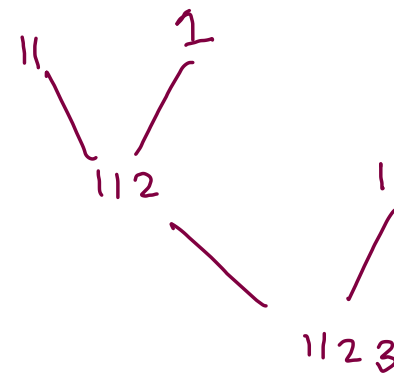
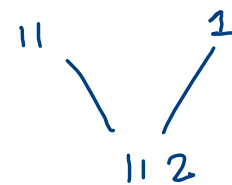


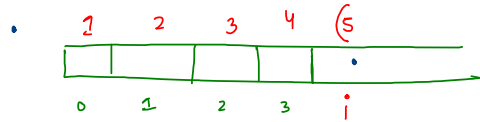
1	1	2	3
1	2	2 + 2	3 + 2
0	1	2	3
a	aa k	aab kab ak	abc kbc alc



str \rightarrow 1 1 2 4 5 0 3 0 6

1	1	2	4	5	0	3	0	6
1	2	3	5	5	0	0	0	0
0	2	2	3	4	5	6	7	8
a	aa k	aab kb al	aabd kbd ald aax kx	aabde kdde alde aaxe kxe				

1124
5-e 4
1245

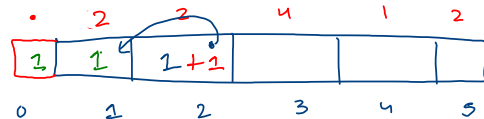


$i \geq 2, i-1 \geq 2 \rightarrow dp[i-1] + dp[i-2]$ (i, i-1 middle) num ≤ 26

$i \geq 2, i-1 = 2 \rightarrow dp[i-1]$

$i \geq 2, i-1 \geq 2 \rightarrow dp[i-2] \quad (i-1 \rightarrow 1, 2)$

$i \geq 2, i-1 = 2 \rightarrow 0$



. 2 4 0 2 0 1 5

1	1	2	0	0	0	0	0
0	1	2	3	4	5	6	7

```
for(int i=2; i < str.length();i++) {
    char c = str.charAt(i); //ith character
    char p = str.charAt(i-1); //i-1 th character

    if(c == '0' && p == '0') {
        dp[i] = 0;
    }
    else if(p == '0') {
        dp[i] = dp[i-1];
    }
    else if(c == '0') {
        if(p == '1' || p == '2') {
            dp[i] = dp[i-2];
        }
    }
    else {
        dp[i] = dp[i-1];

        int num = (p-'0')*10 + (c-'0');

        if(num <= 26) {
            dp[i] += dp[i-2];
        }
    }
}
```

90 → 90
→ 9 0

str \rightarrow

abc d a' b' c'

ans \rightarrow [abc , a b b' c , a b' c' , a a' b' c' ,
a' b' c' , a b c c' , a b c']

1 or more
a's

1 or more
b's

1 or more
c's

a $^+$ \rightarrow 1 or more
occ.

a, aa, aaa, ...

a $^+$ b $^+$ \rightarrow ab, aab, abb

a $^+$ b $^+$ c $^+$ \rightarrow abc, abcc,

str \rightarrow a b c d a' b' c'

	a	b	c	d	a'	b'	c'
a+	1 ^a	1 ^a	1 ^a	1 ^a	3 ^{aa' a a'}	3 ^{aa' a a'}	3 ^{aa' a a'}
a+b+	0	1 ^{ab}	1 ^{ab}	1 ^{ab}	1 ^{ab}	3+2 ^{aa'b' ab' a'b' abb' ab}	5 ^{aa'b' ab' a'b' abb' ab}
a+b+c	0	0	1 ^{abc}	1 ^{abc}	1 ^{abc}	1 ^{abc}	5+2 ^{aa'b'c' ab'c' a'b'c'}

abb'c'
abc'

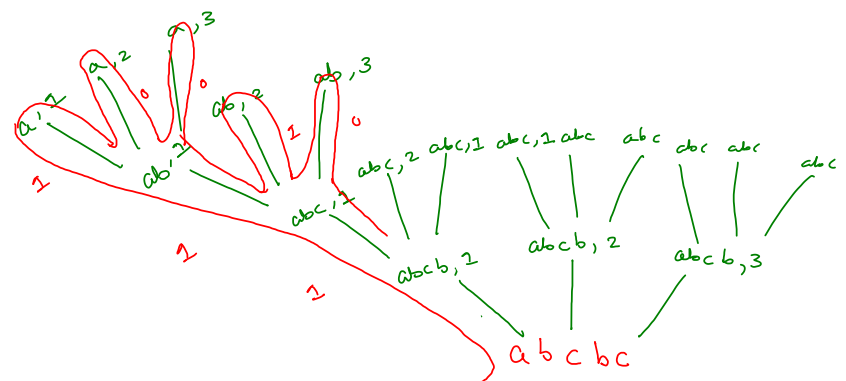
str \rightarrow a b c d a' b' c'

$$na = 2 \times 0a + 1$$

	a	b	c	d	a'	b'	c'
a+	1	1	1	1	3	3	3
a+b+	0	1	1	1	5	5	5
a+b+c+	0	0	1	1	1	1	7

$$nabc = 0ab + 0abc \times 2$$

$$nabc = 0a + 0ab \times 2$$



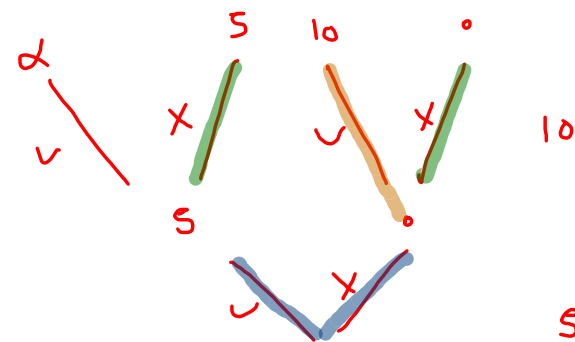
- 1 \rightarrow a+
- 2 \rightarrow a+b+
- 3 \rightarrow a+b+c+

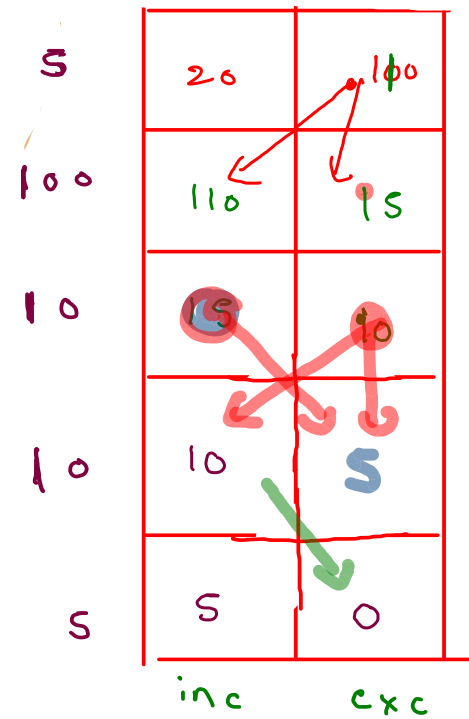
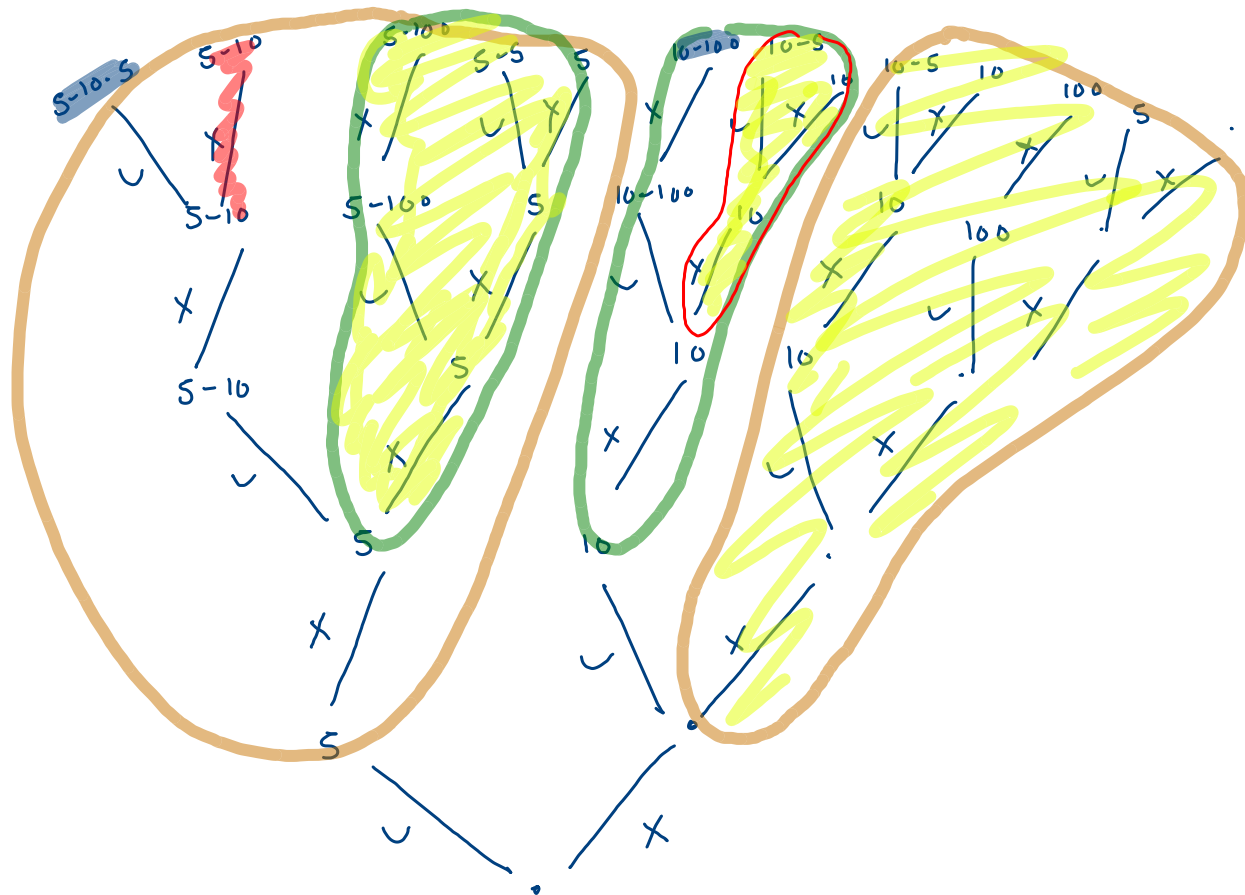
6
5
10
10
100
5
6

5	10	10	100	5	6
0	1	2	3	4	5

	5	10	10	100	5	6
inc	5 ⁵	10 ¹⁰	15	110	20	116
exc	0 ⁵	5 ⁵	10	15	110	110

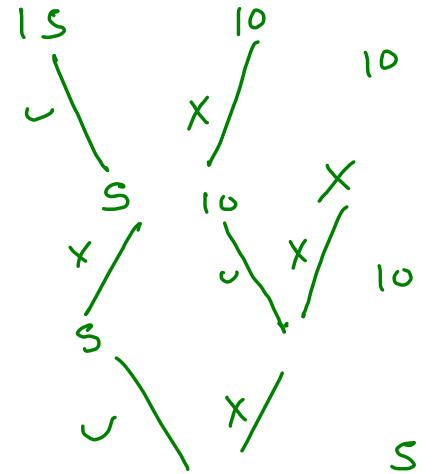
valid → non-adjacent elements





5	10	10	100	5	6
0	1	2	3	4	5

	5	10	10	100	5	6
inc	5	10	15	110	20	116
exc	0	5	10	15	110	110



4
1 5 7
5 8 4
3 2 9
1 2 4

	r	g	b
h ₀	1	5	7
h ₁	5	8	4
h ₂	3	2	9
h ₃	1	2	4

cost

	r	g	b
h ₀	1	5	7
h ₁	10	9	5
h ₂	8	7	18
h ₃	8	10	11

DP

$$n = 5$$

$$c = 4$$

	r	g	b	v
h_0	10	5	7	8
h_1	7	8	4	2
h_2	3	2	9	6
h_3	1	6	4	9
h_4	4	3	8	1

	r	g	b	v
h_0	10	15	7	8
h_1	12	15	9	7
h_2				<div style="text-align: center;">•</div>
h_3	10	2	8	9
h_4	6	11	10	3

~~$om = 7$~~

~~$osm = 9$~~

$nm = \infty$

$ns m = \infty$

~~$om = 2$~~ ③

~~$osm = 8$~~ 6

~~$nm = 00$~~ 3

~~$ns m = 0$~~ 6

$n \times m \times m$