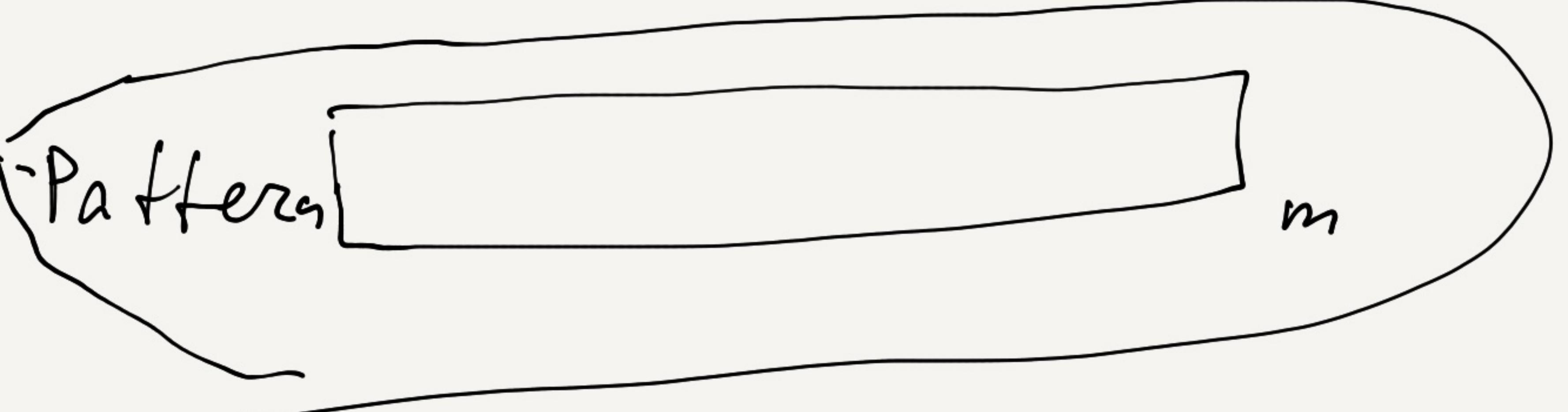
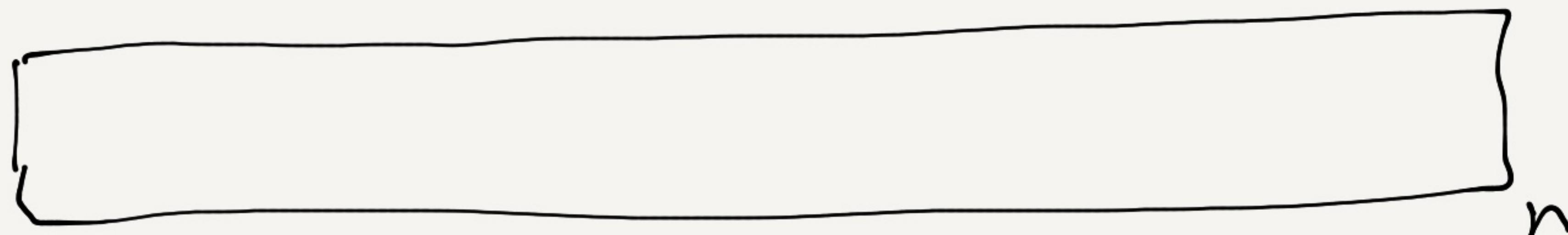


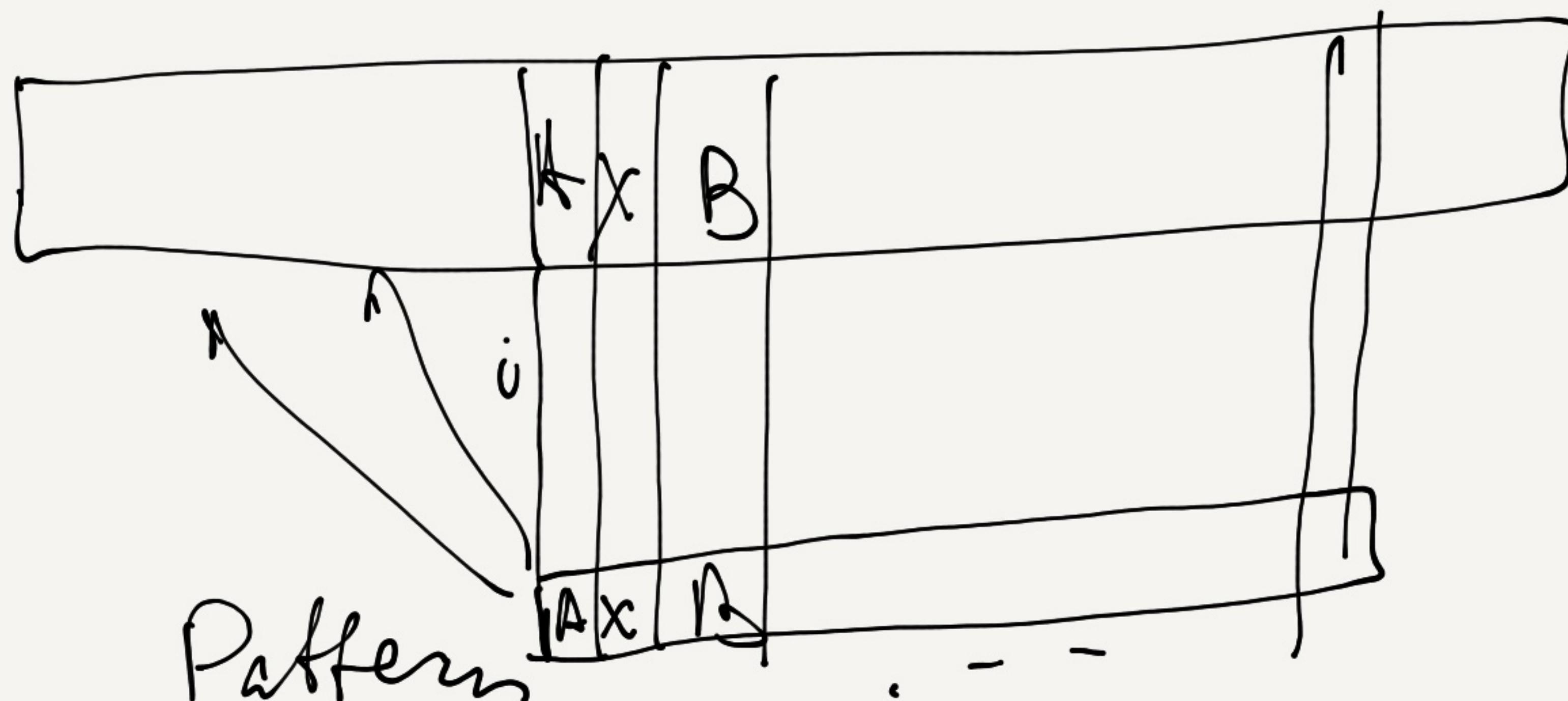
ГАСФИЛД, Гл. 5-7

с-макс

Text



Text



$F(\text{Pattern}) \xrightarrow{\mathcal{O}(m)} z$
Нр. Ф-ся.

$\xrightarrow{\mathcal{O}(n)}$ Text

$n \gg m$

$\mathcal{O}(n \cdot m)$

KMP

Нр. Ф-ся

БМ

2. Ф-ся

AD

AK

P₁

P₂

:

P_z

$\mathcal{O}(n + m k)$

processor

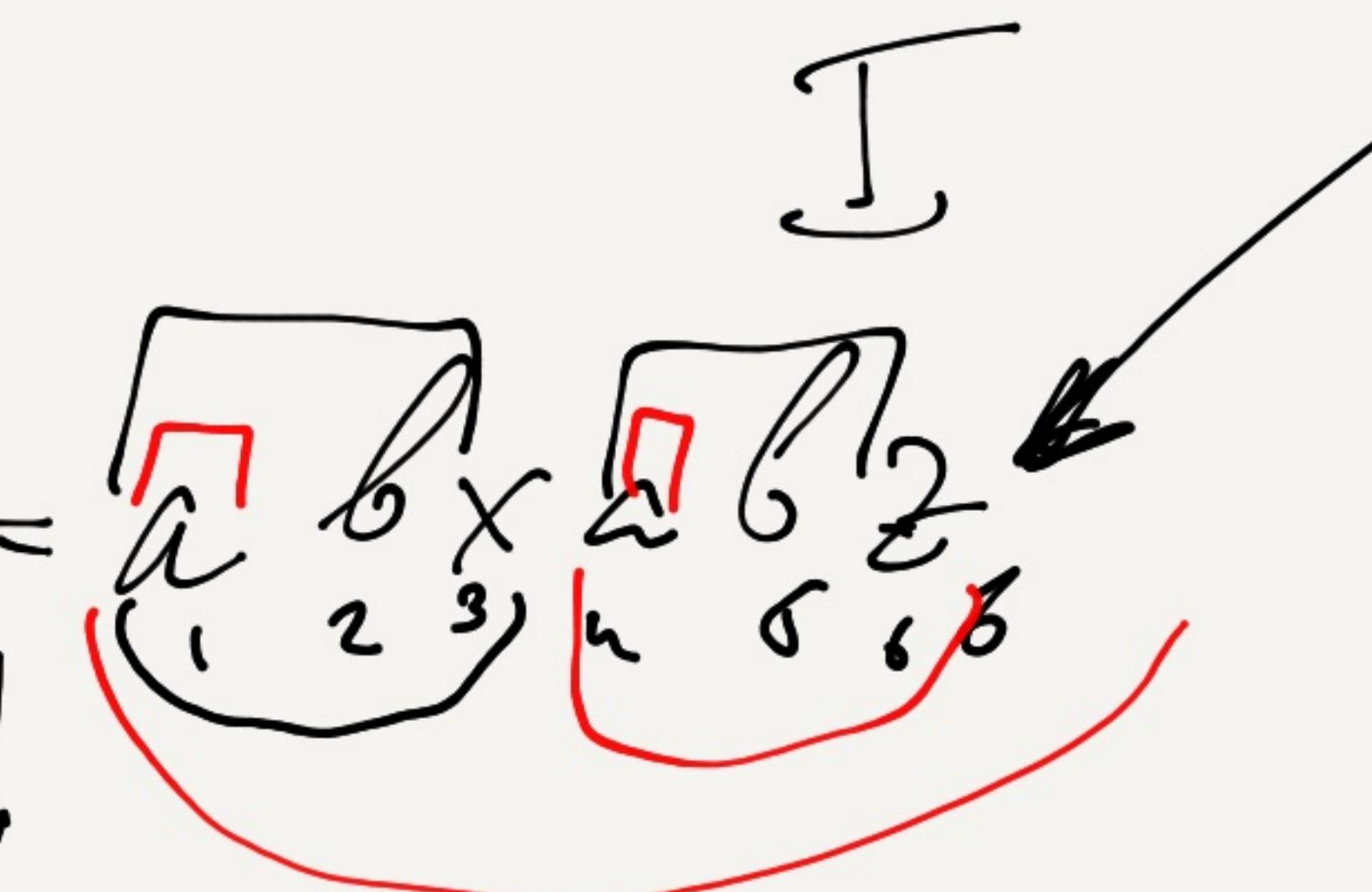
Text

$\mathcal{O}(z \cdot m + z \cdot n)$

~~$\mathcal{O}(z \cdot n + z \cdot m)$~~

C.1.

Test =

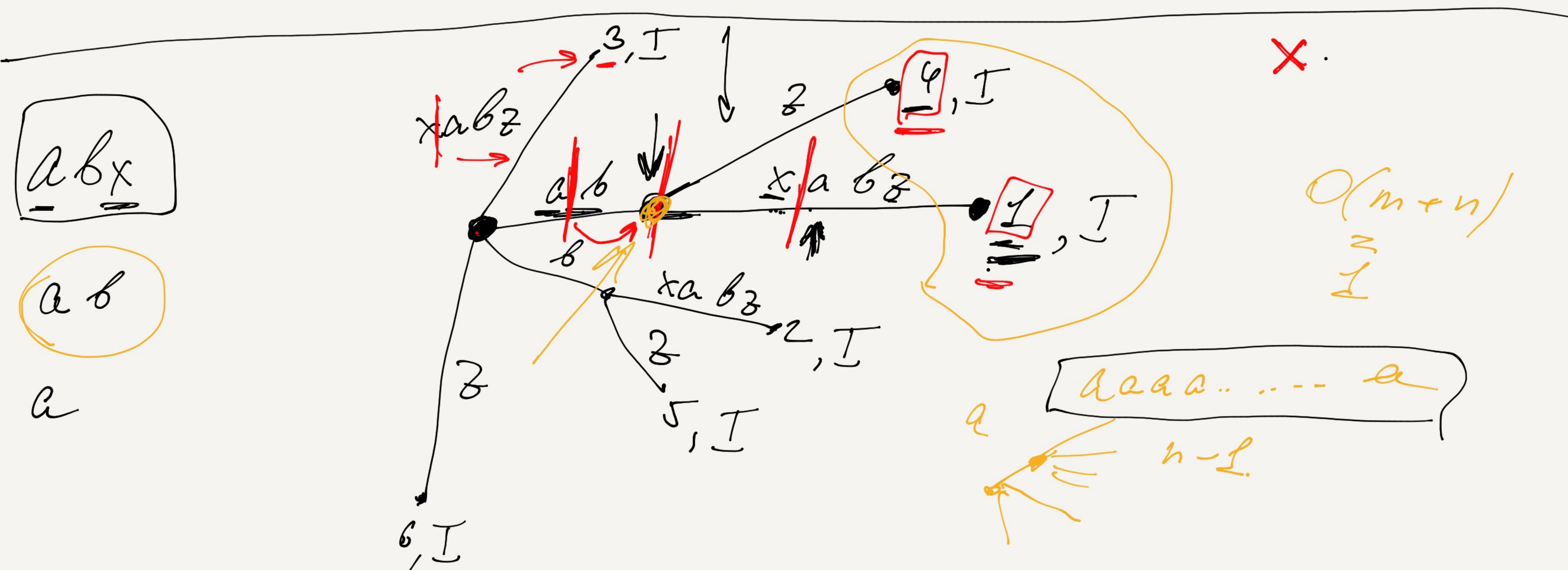
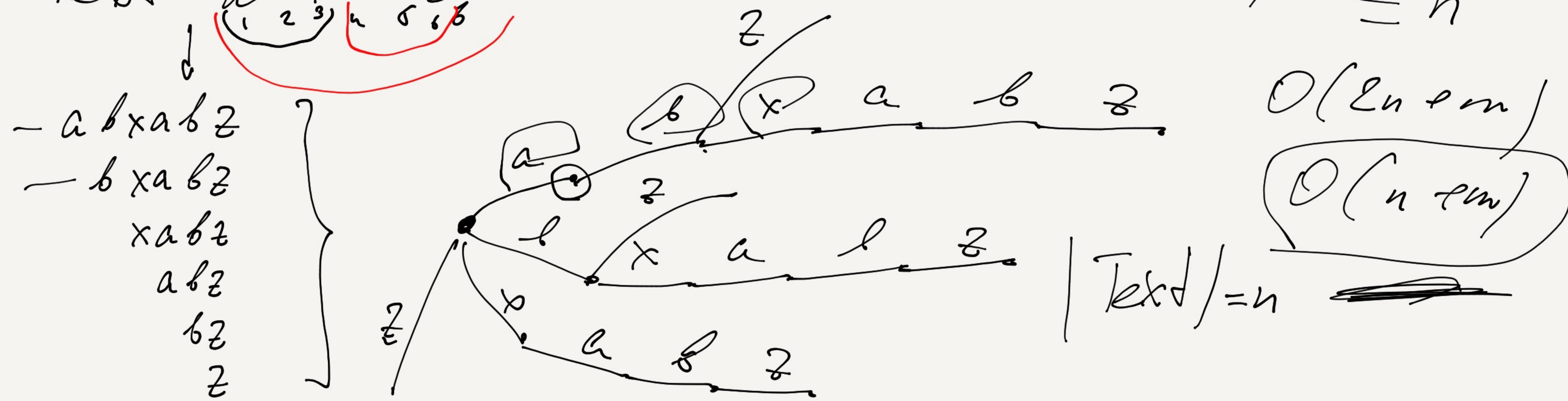


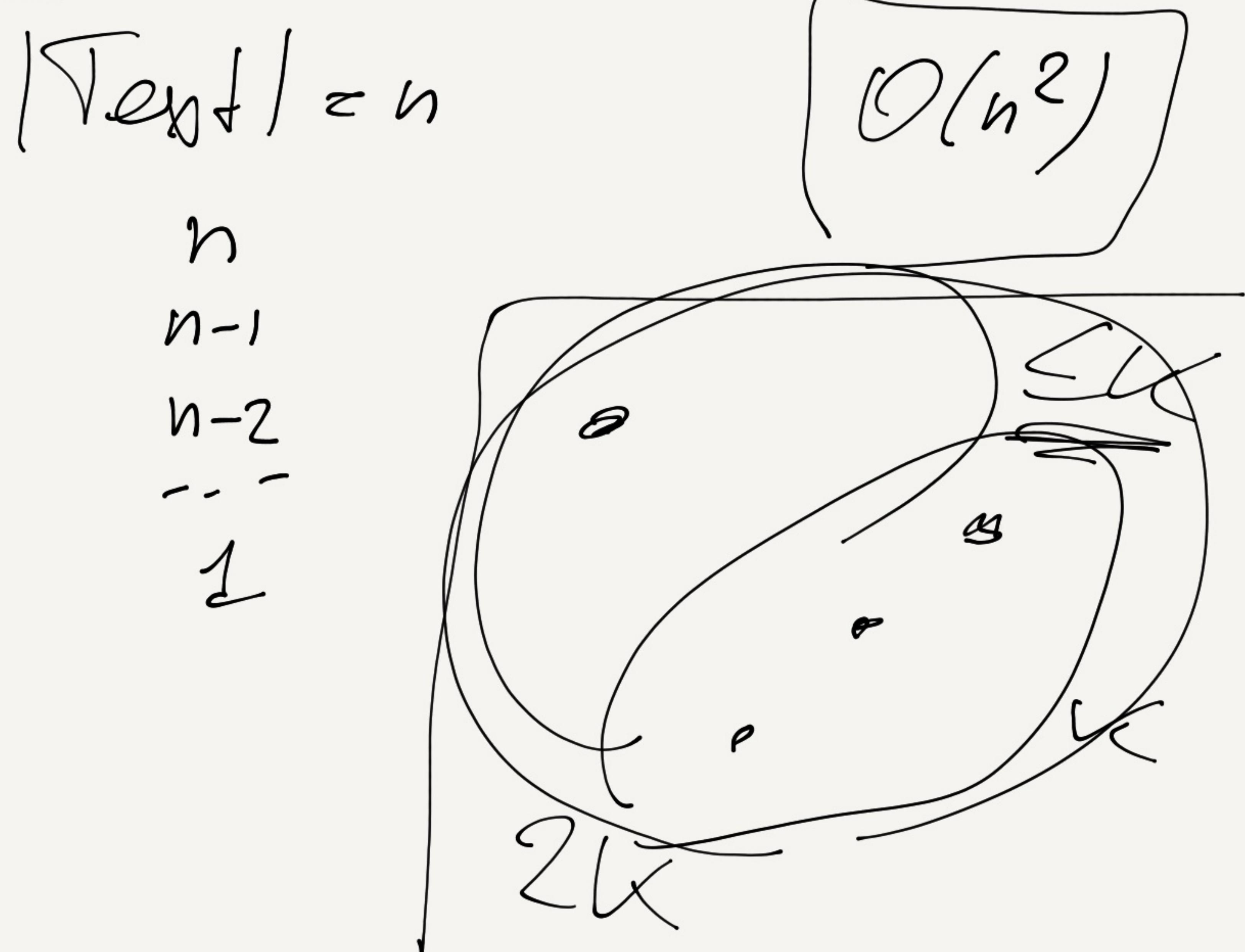
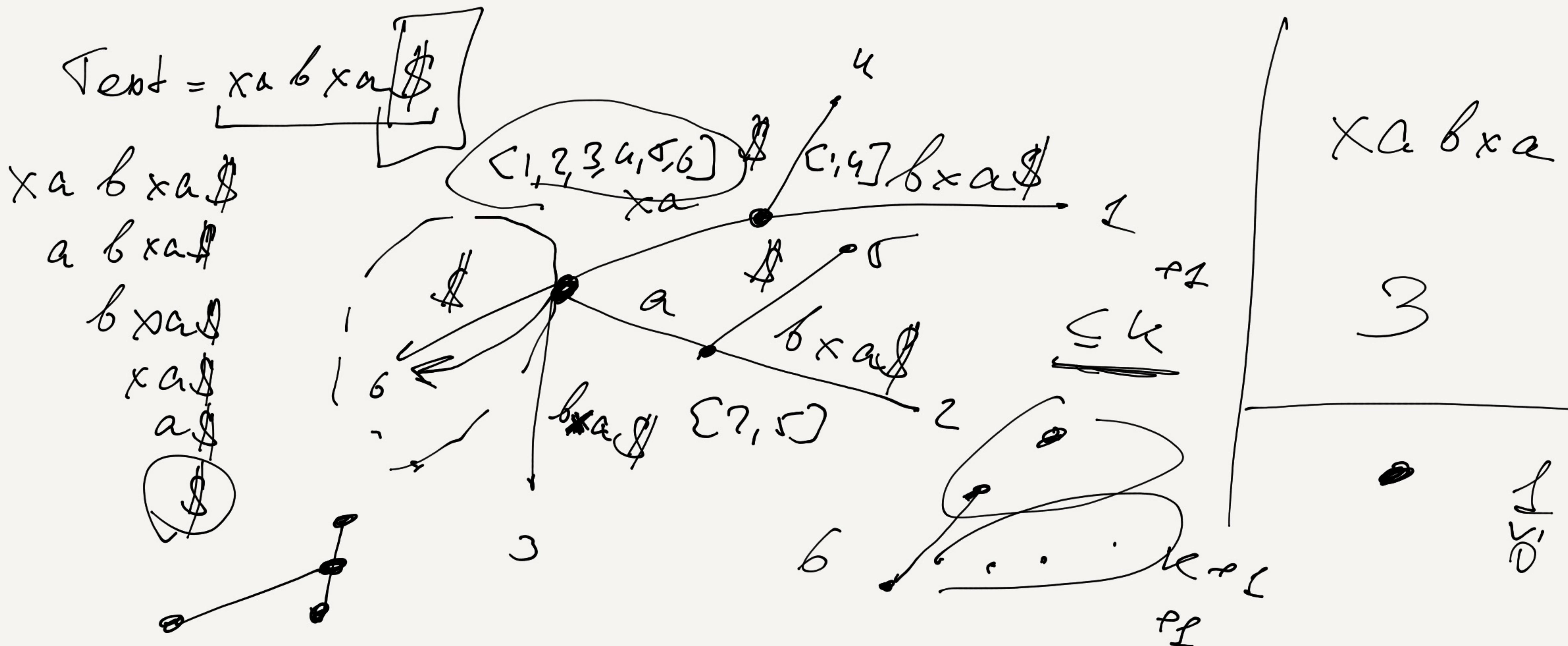
I

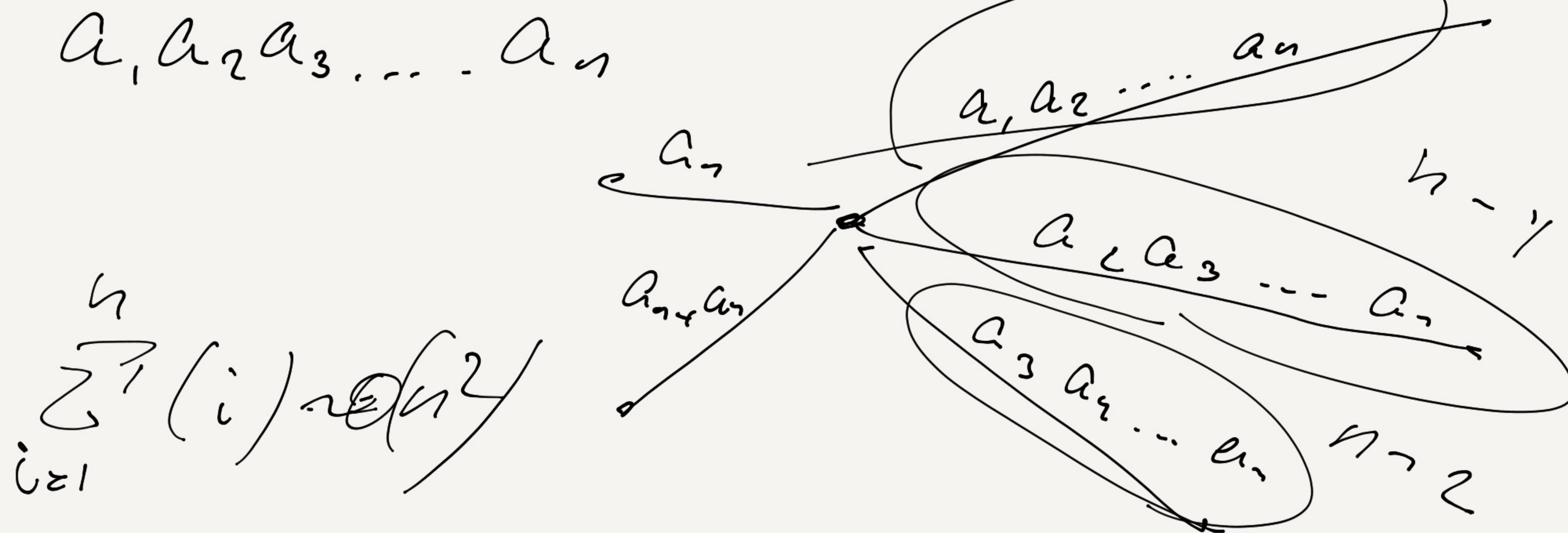
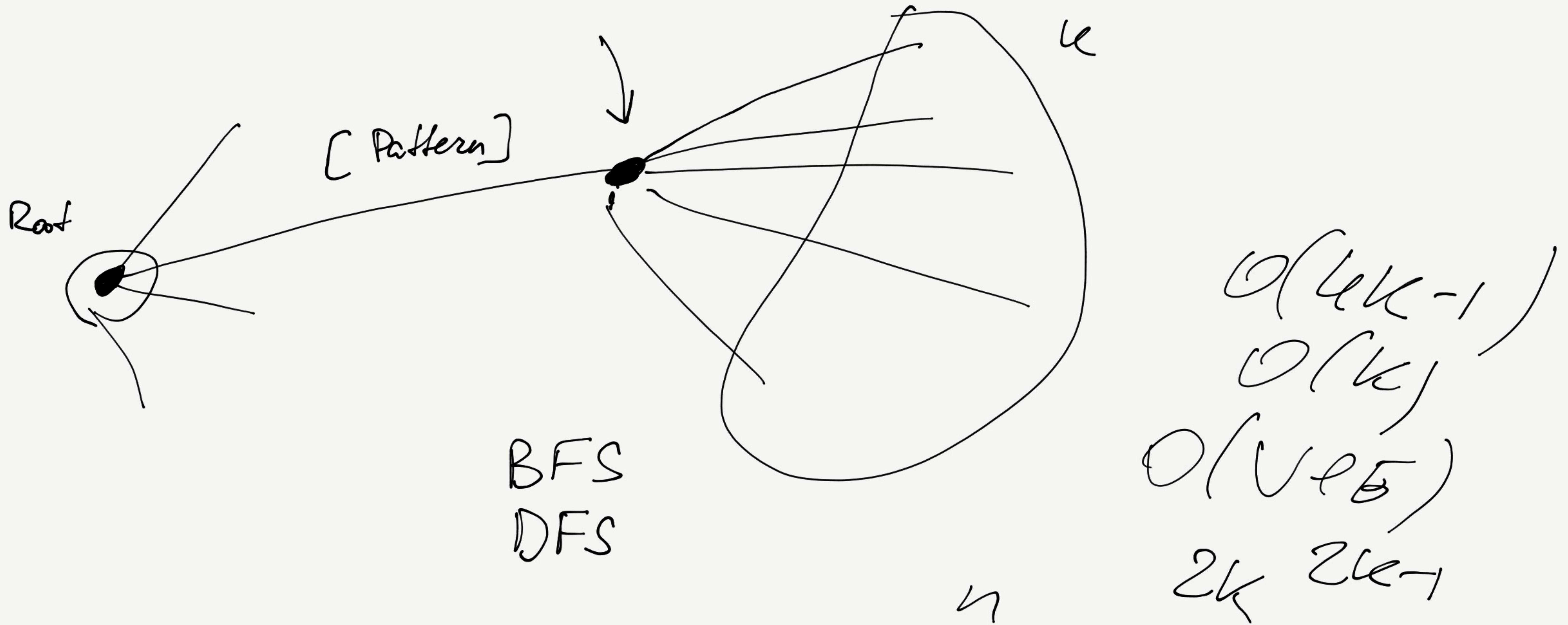
$O(n+m+k)$

$O(n+m+n)$

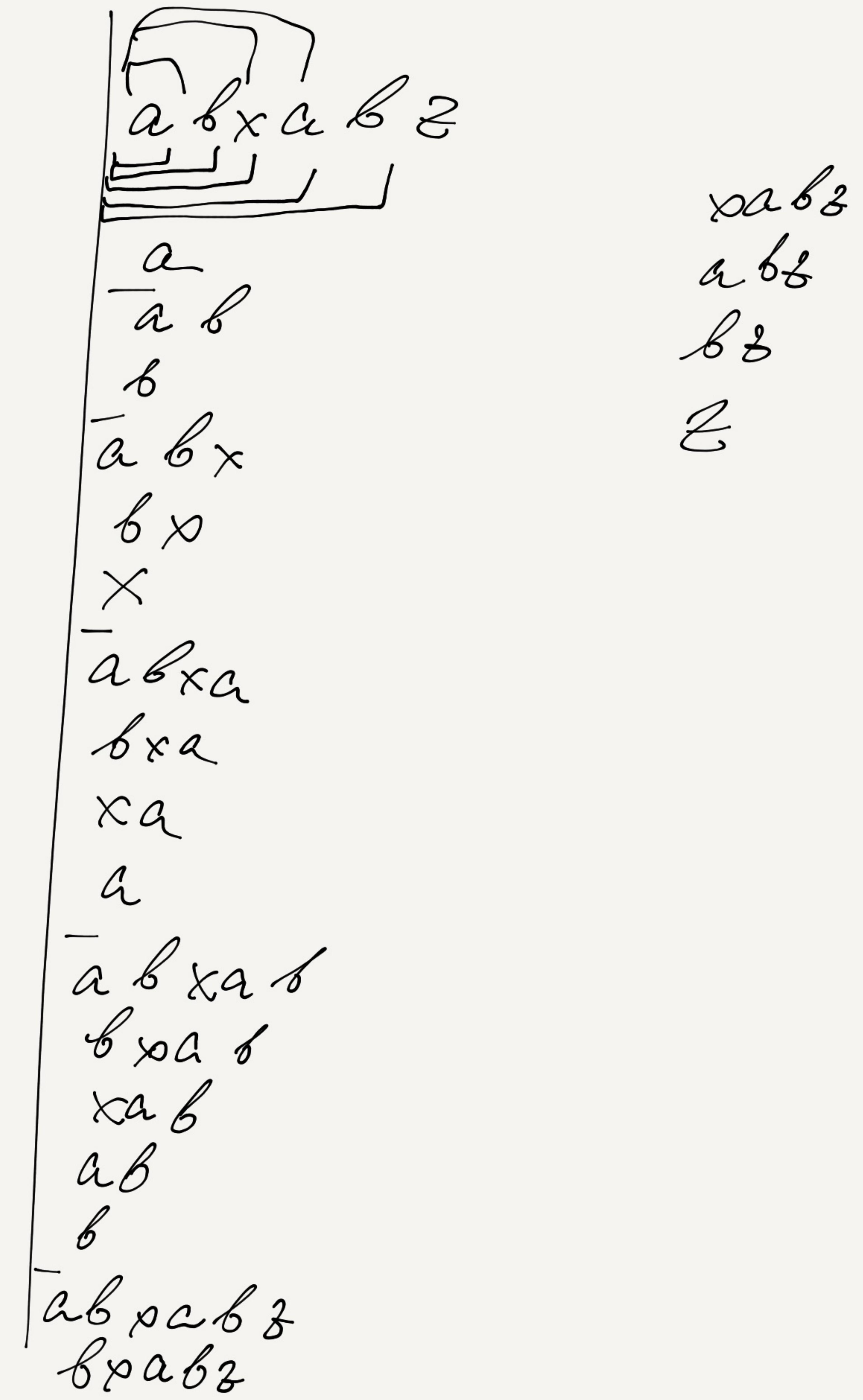
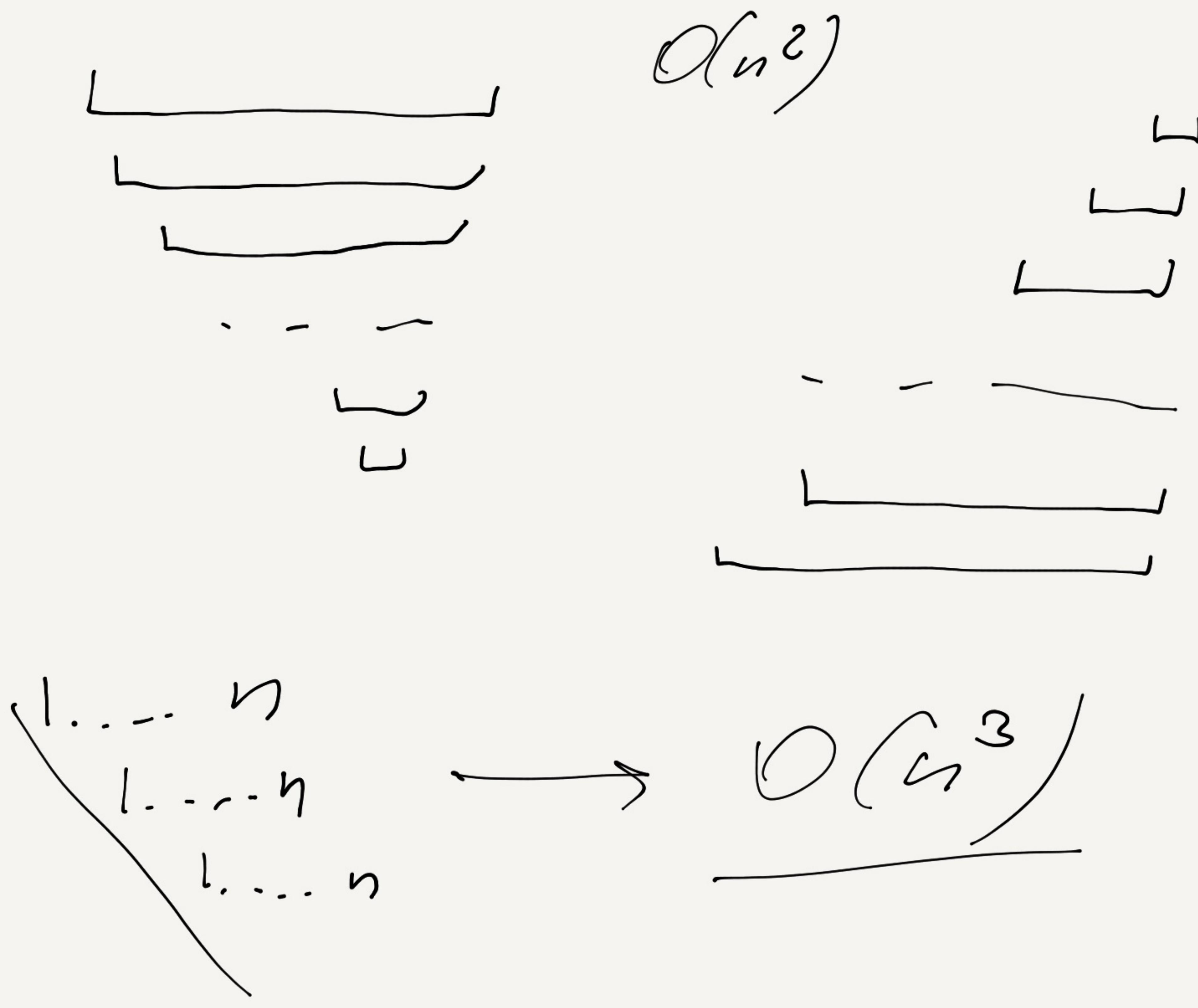
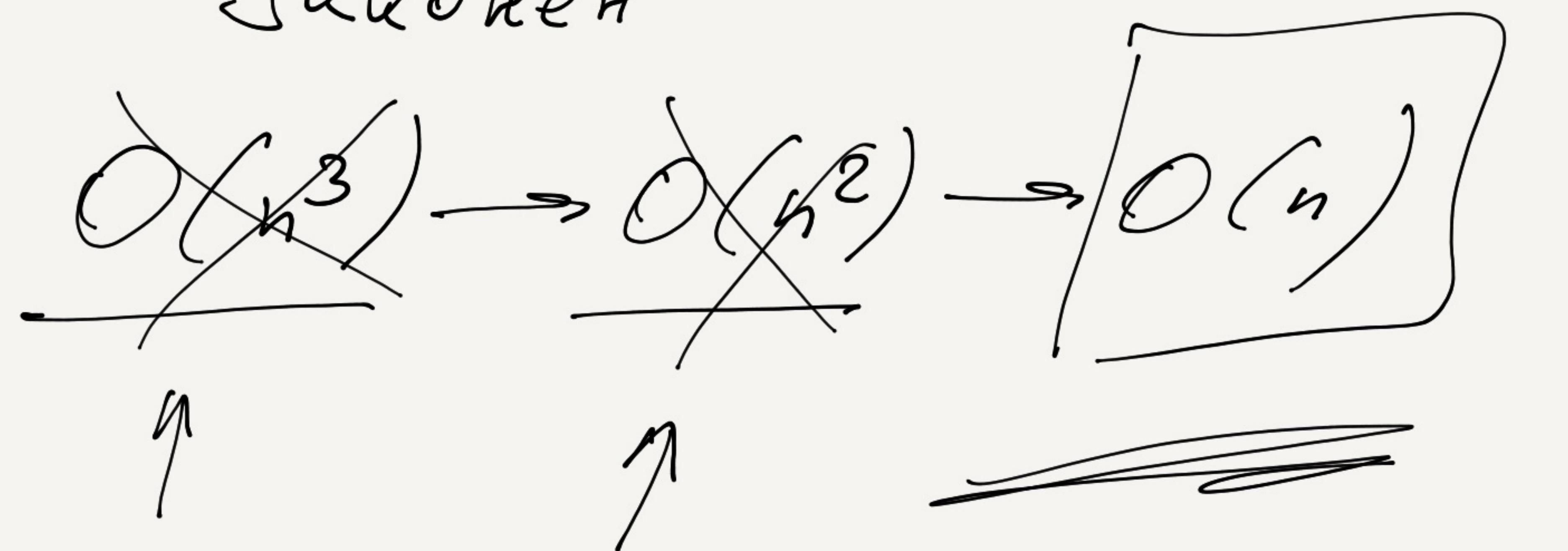
$\leq n$

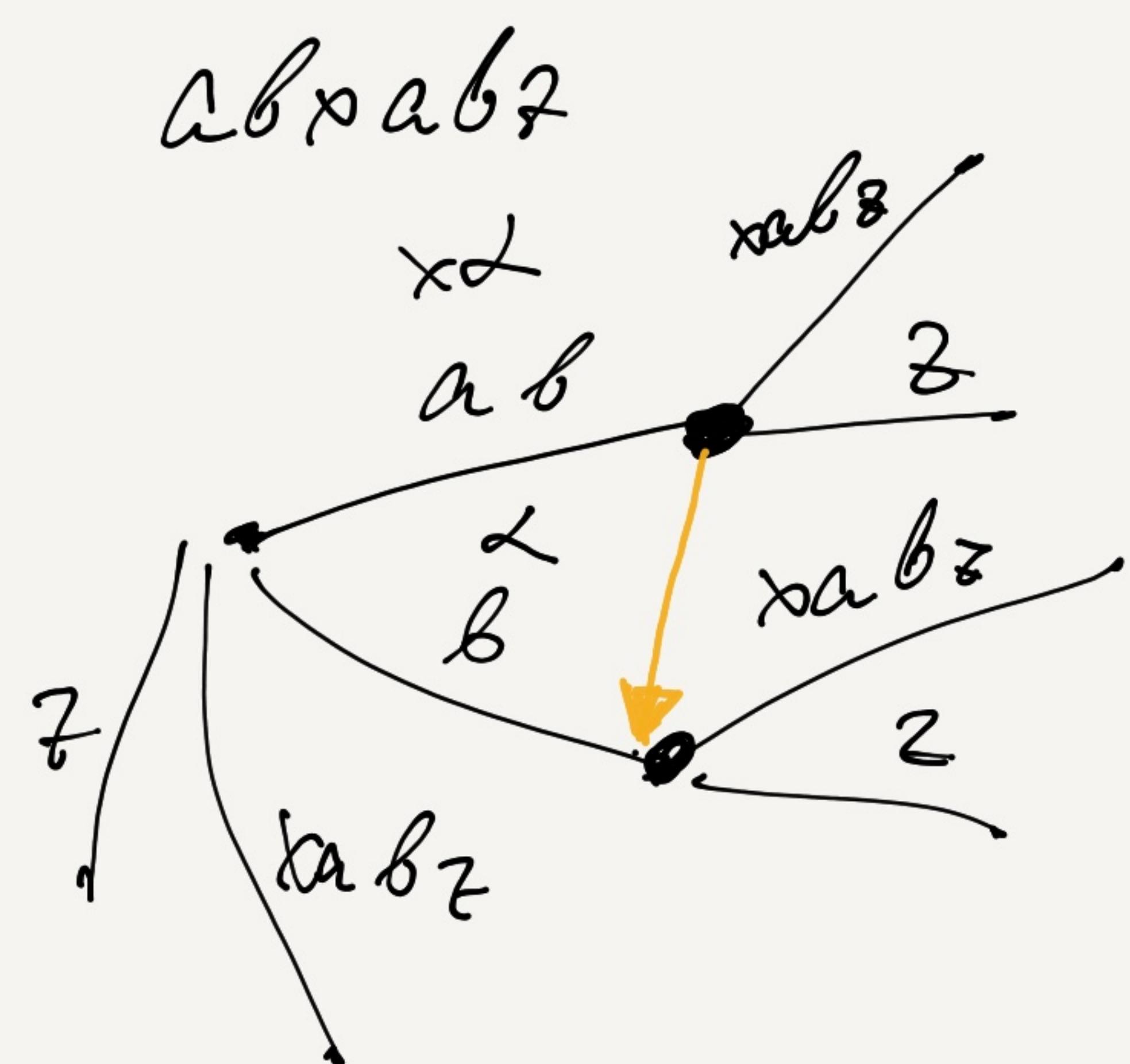
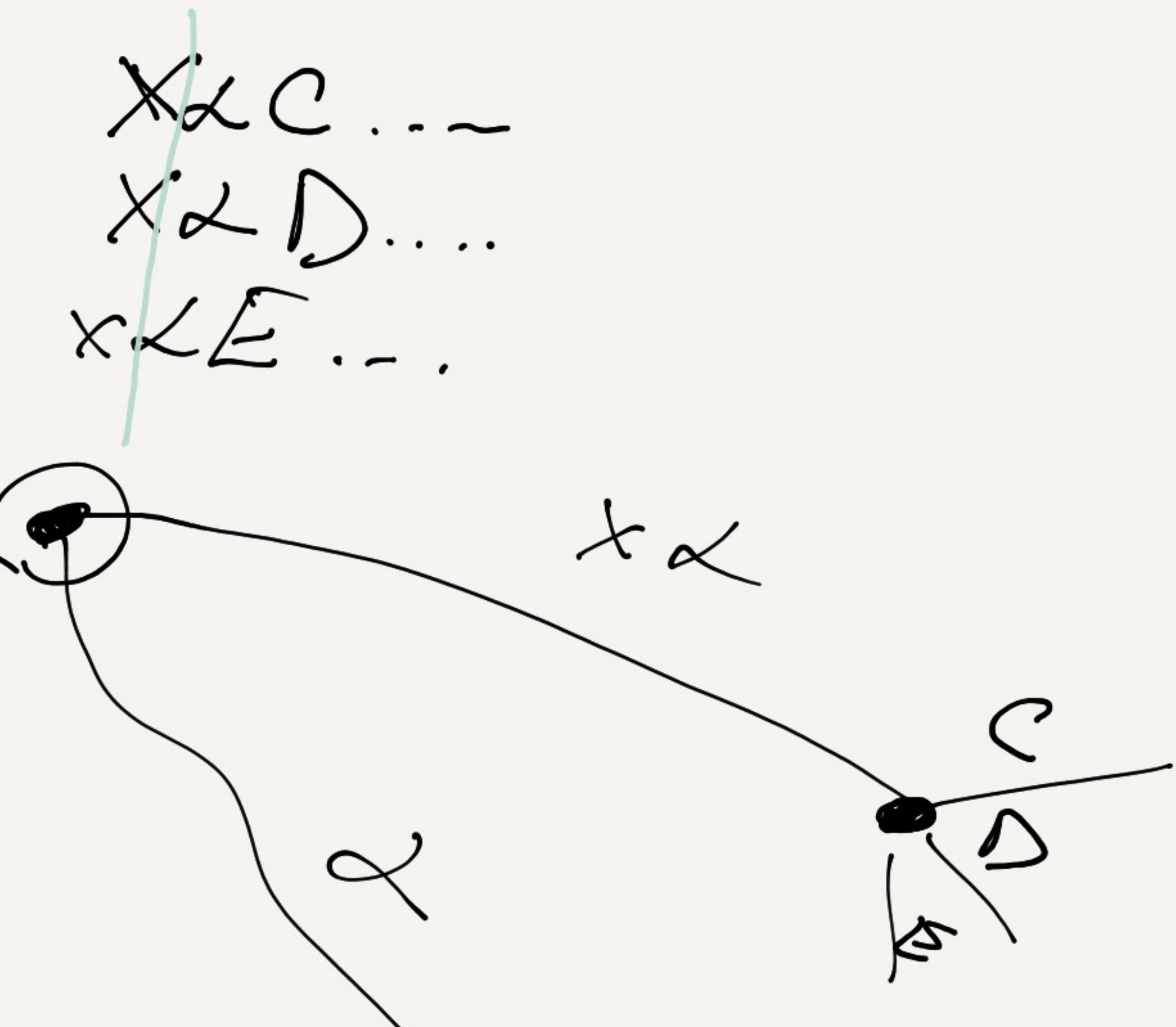
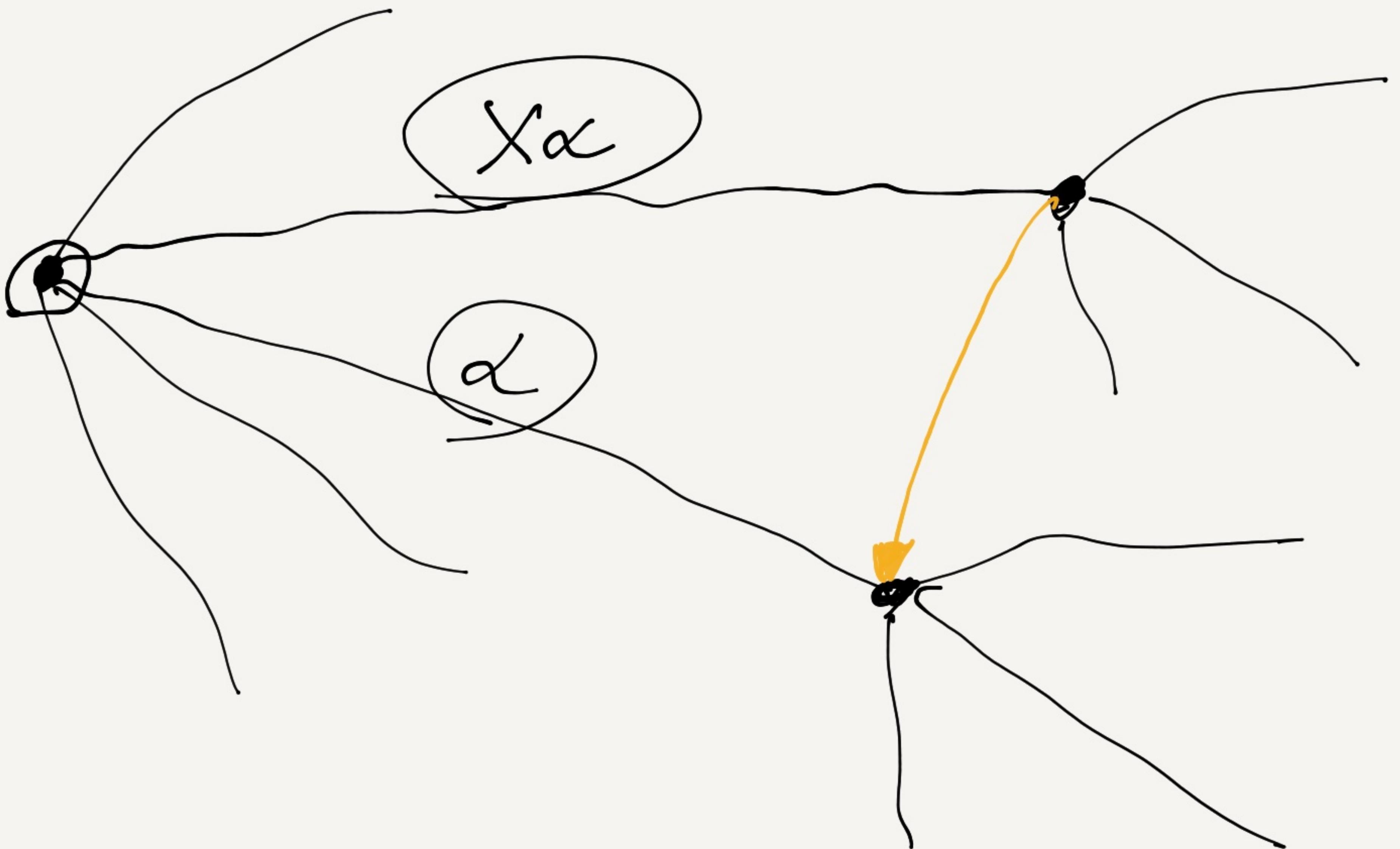




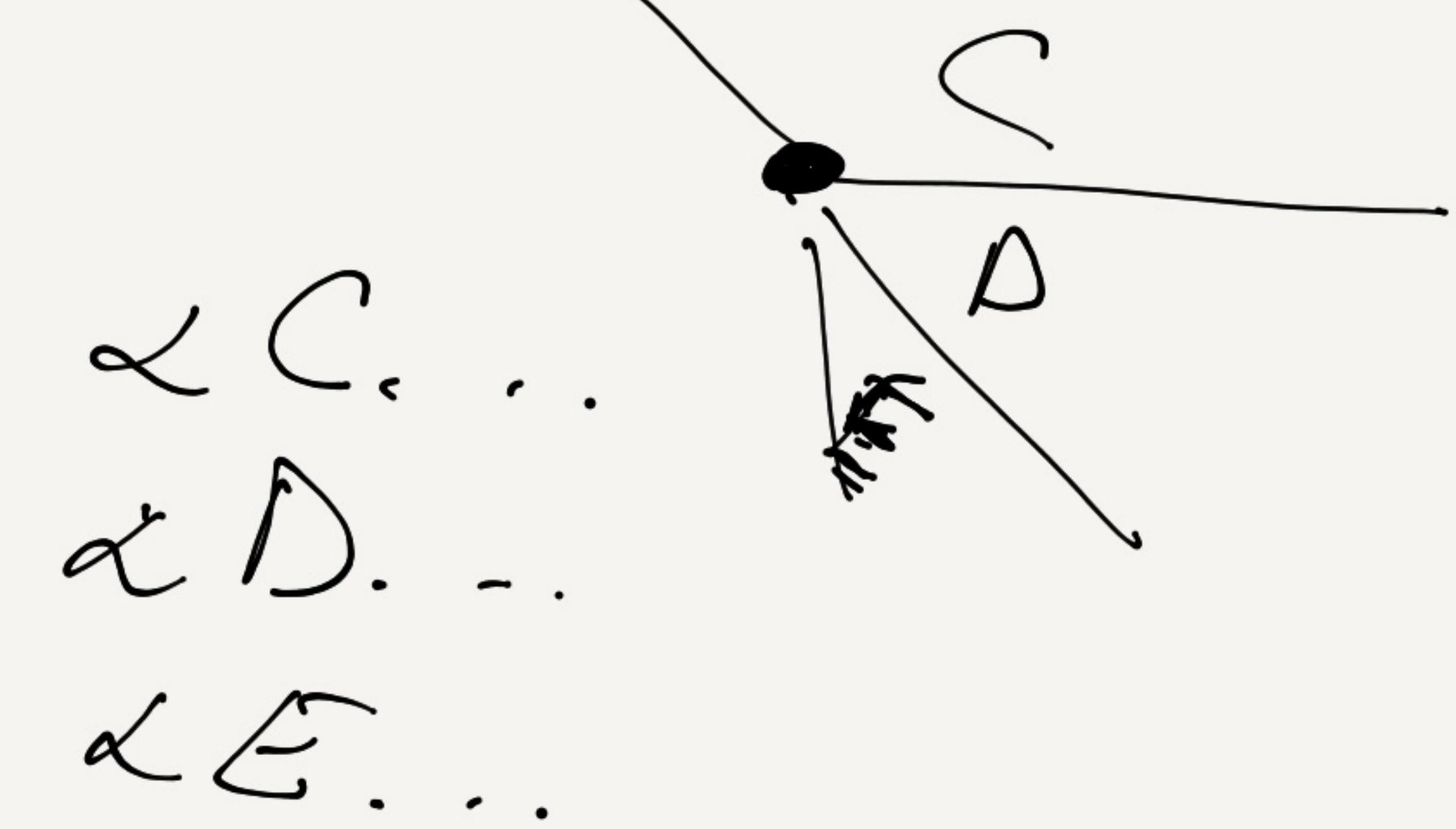


Урокиoken





x
 $\overbrace{a b}^2$
 \overbrace{b}^2
 z



$a b x a b z \$$

a

a b
b

a b x

b x

x

a b x a

b x a

x a

a
a b x a b

b x a b

x a b

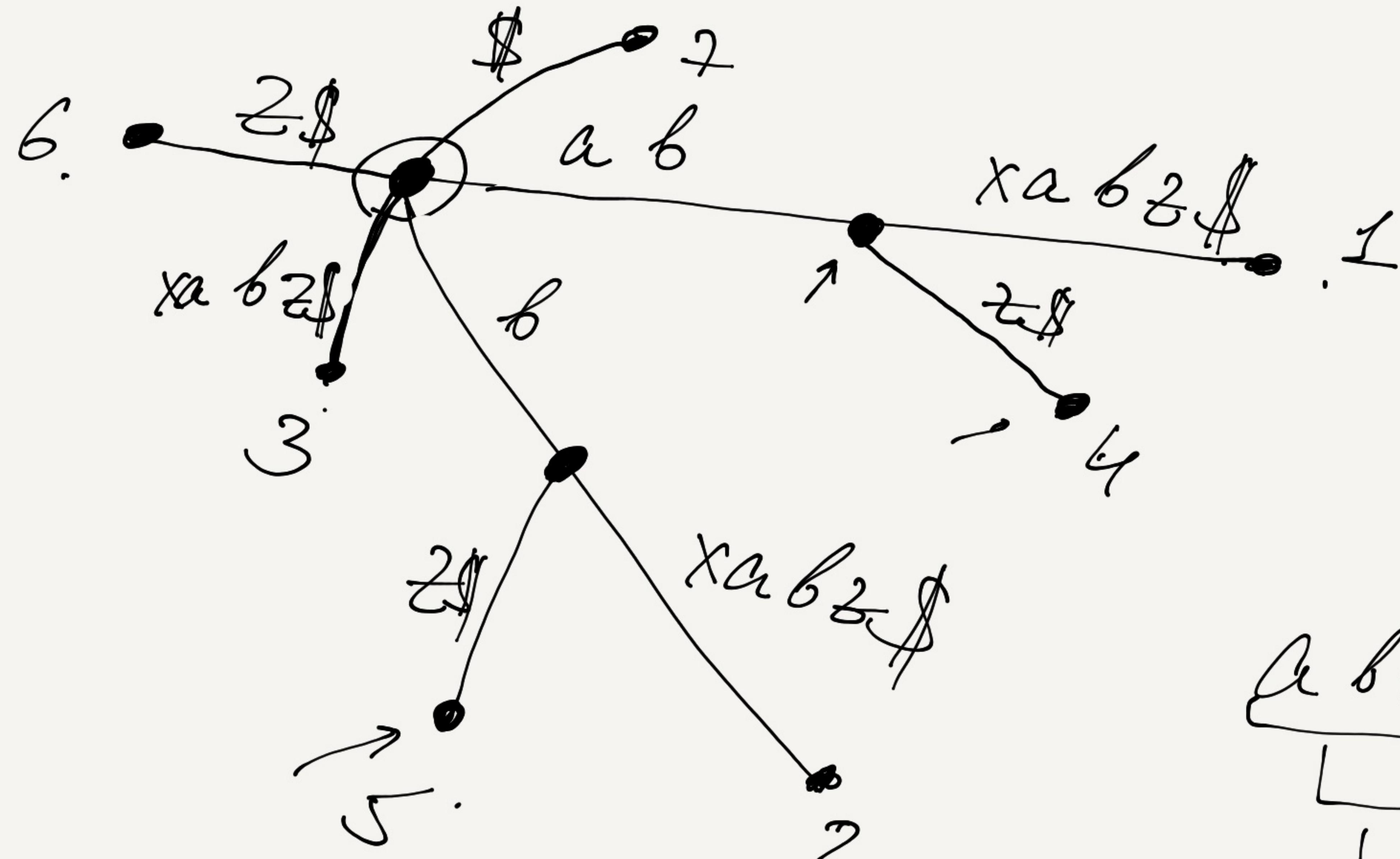
a b

b

- a b x a b z

b x a b z

x a b z



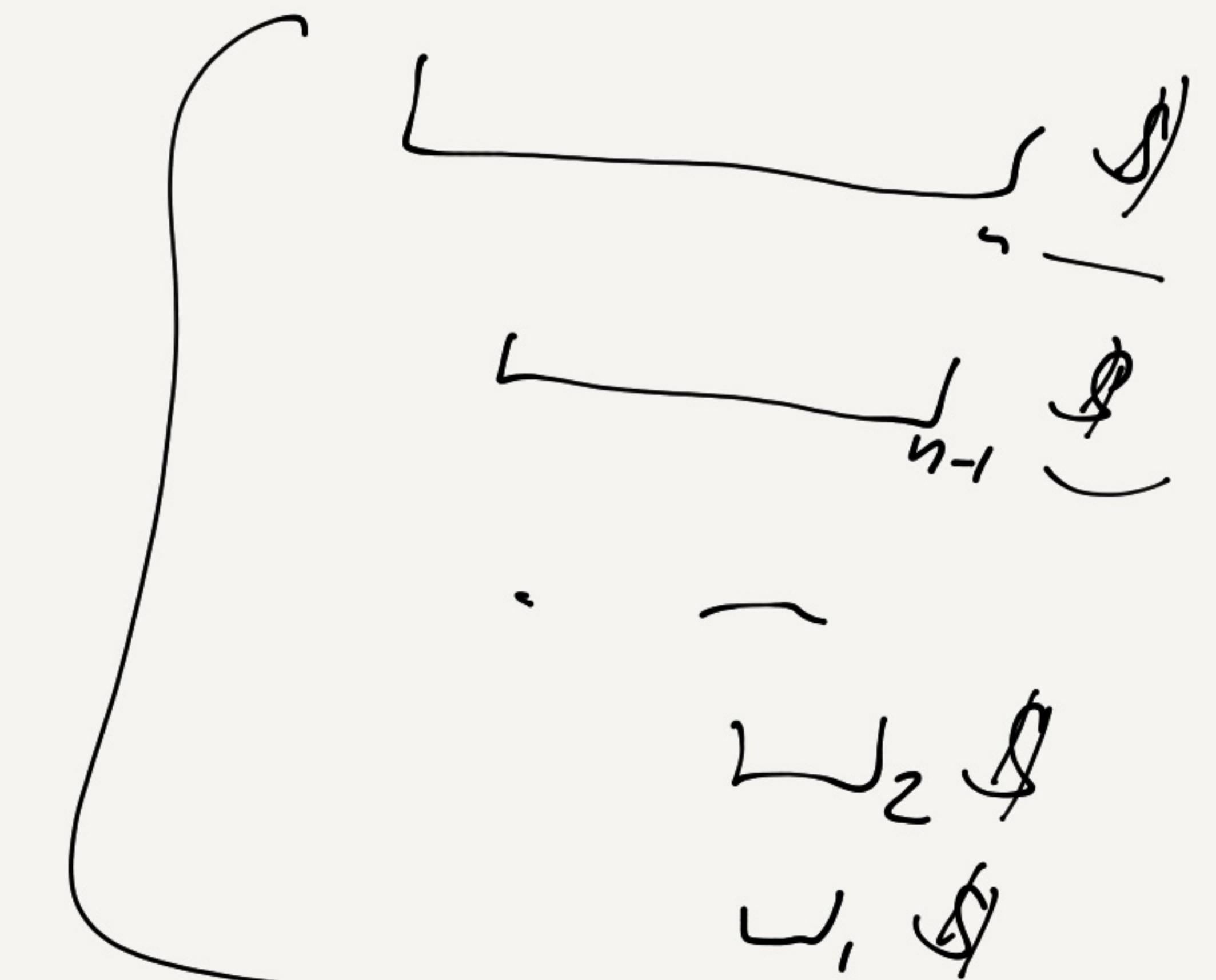
$a b x a b z \$$

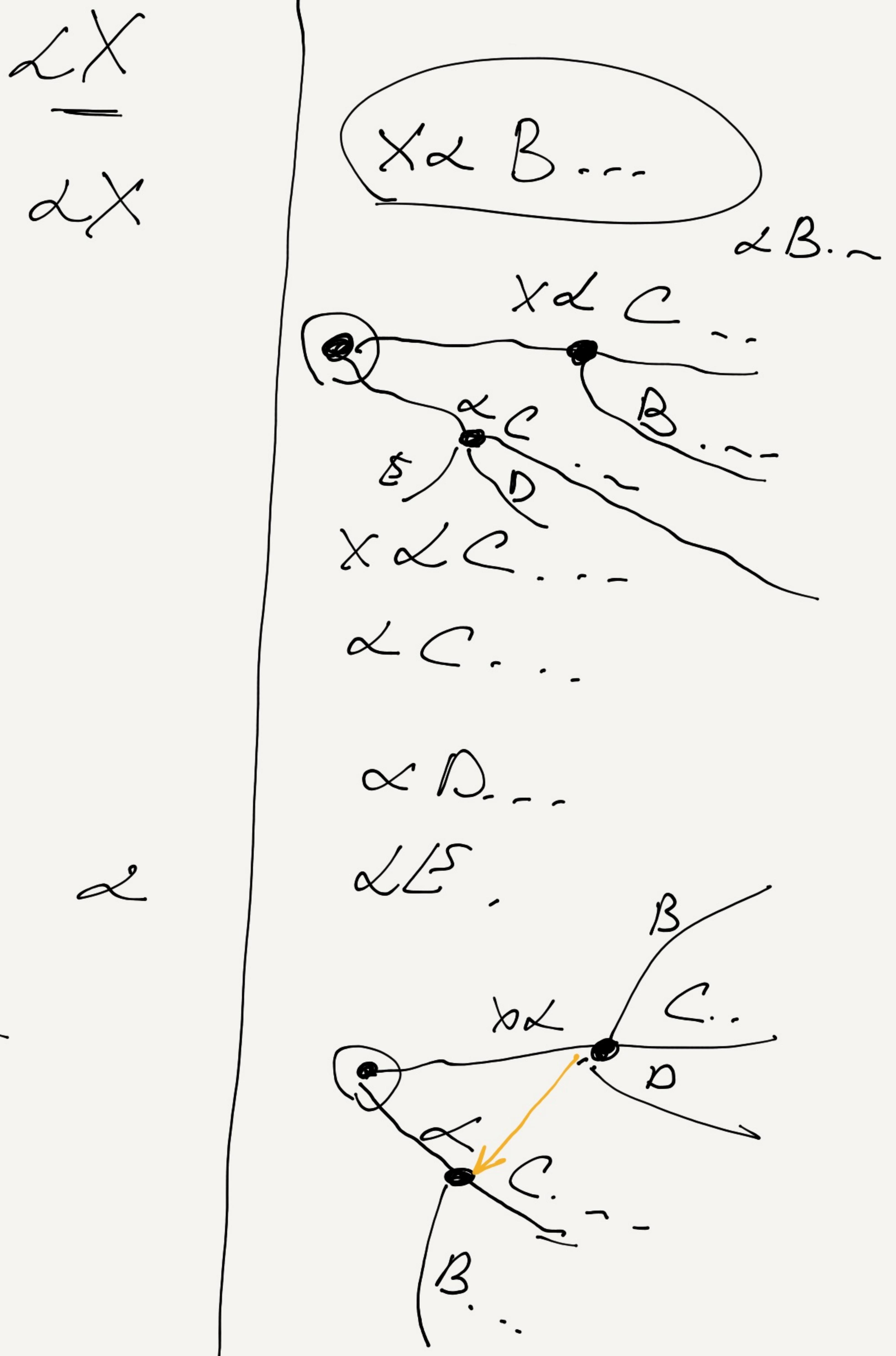
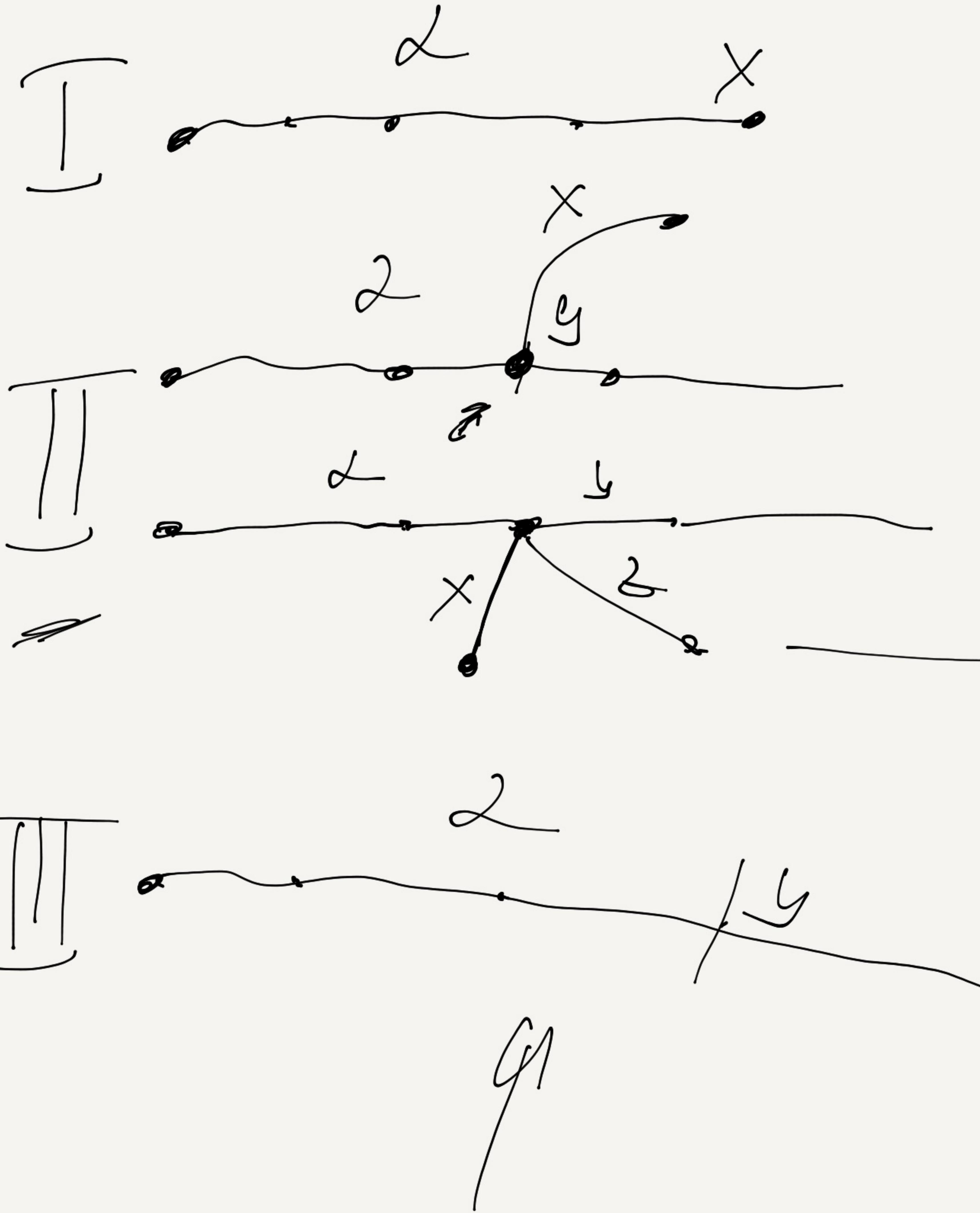
a b z

b z

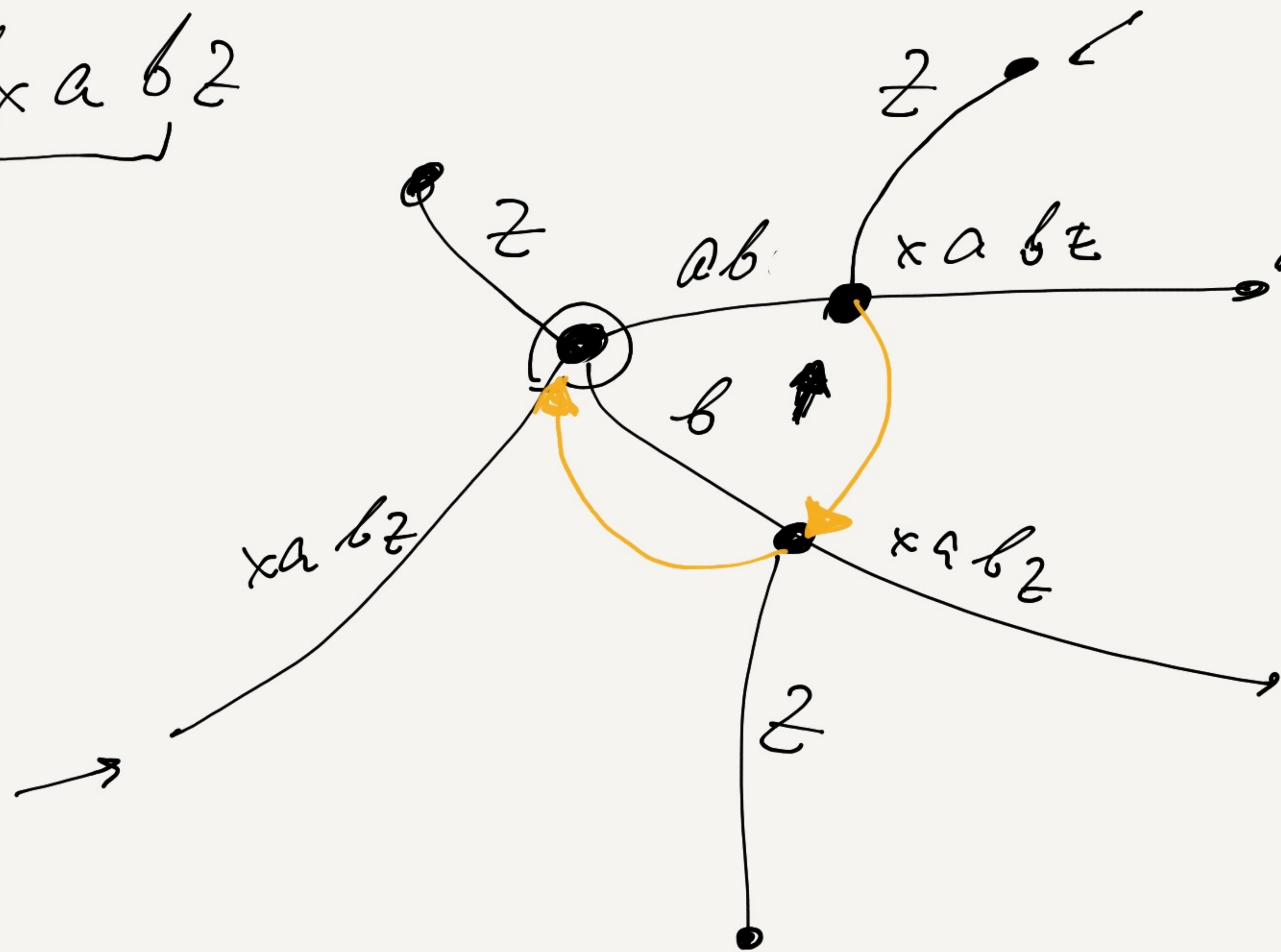
z

z



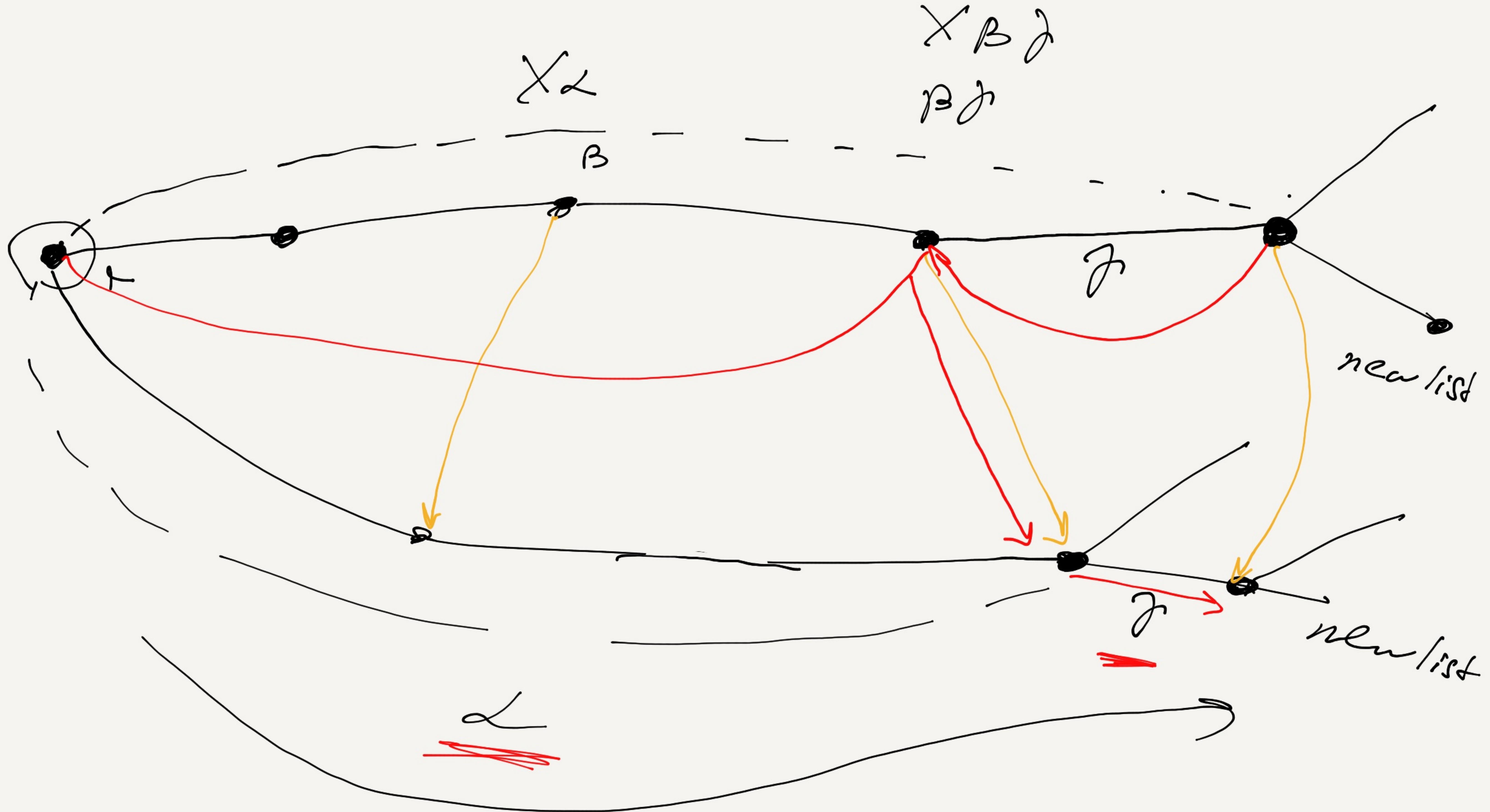


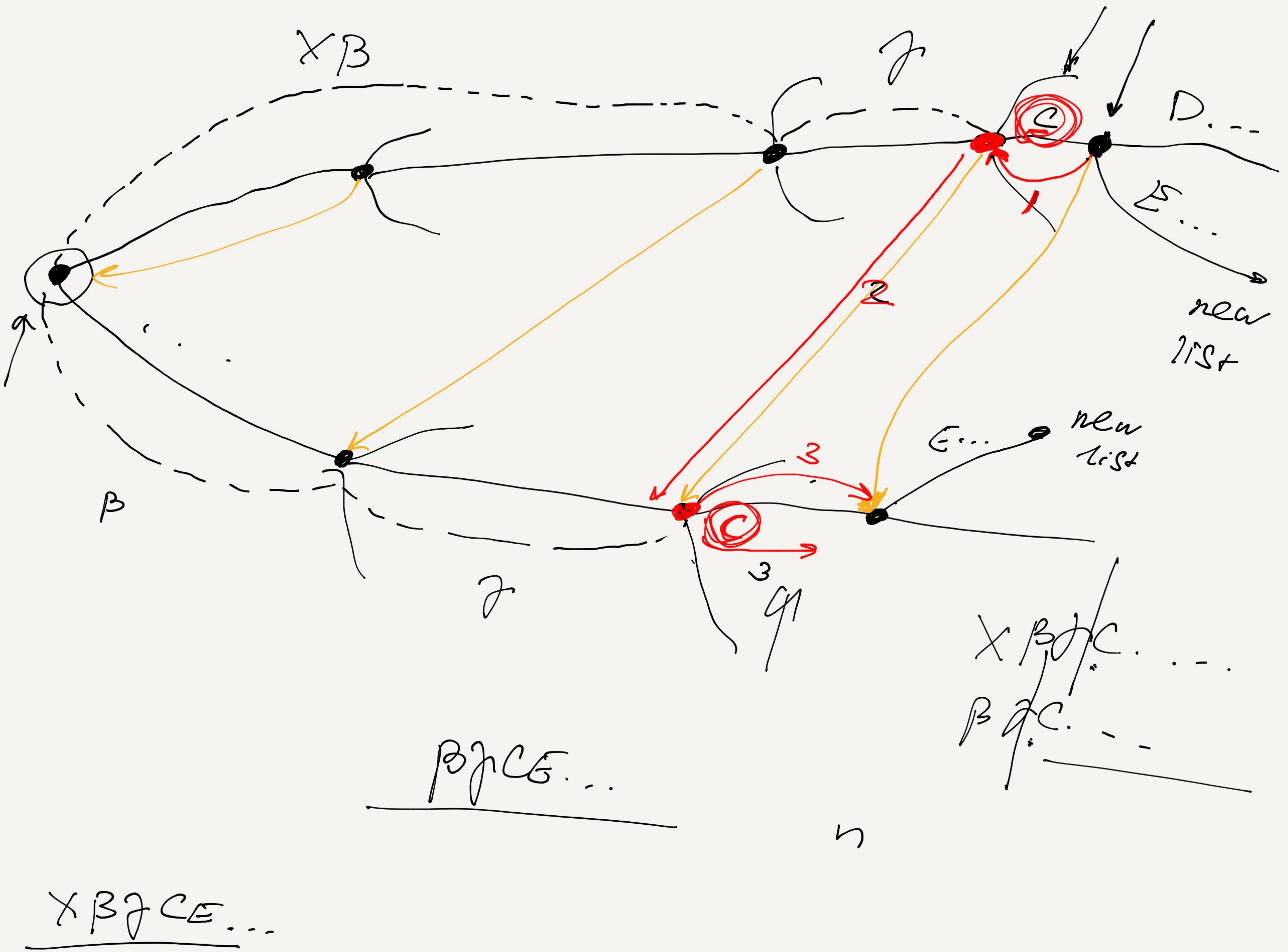
$a^b \times a^{b^2}$



$a^b z$
 $b^2 z$
 x
 $x a$
 $a b$
 z
 z
 $\underline{1}$

$X_L = b$
 $X = c$
 $L = a$,
 $L = a a$





X & √ ...

Xα

X α

Z

A

B

C

D

E

F

G

D

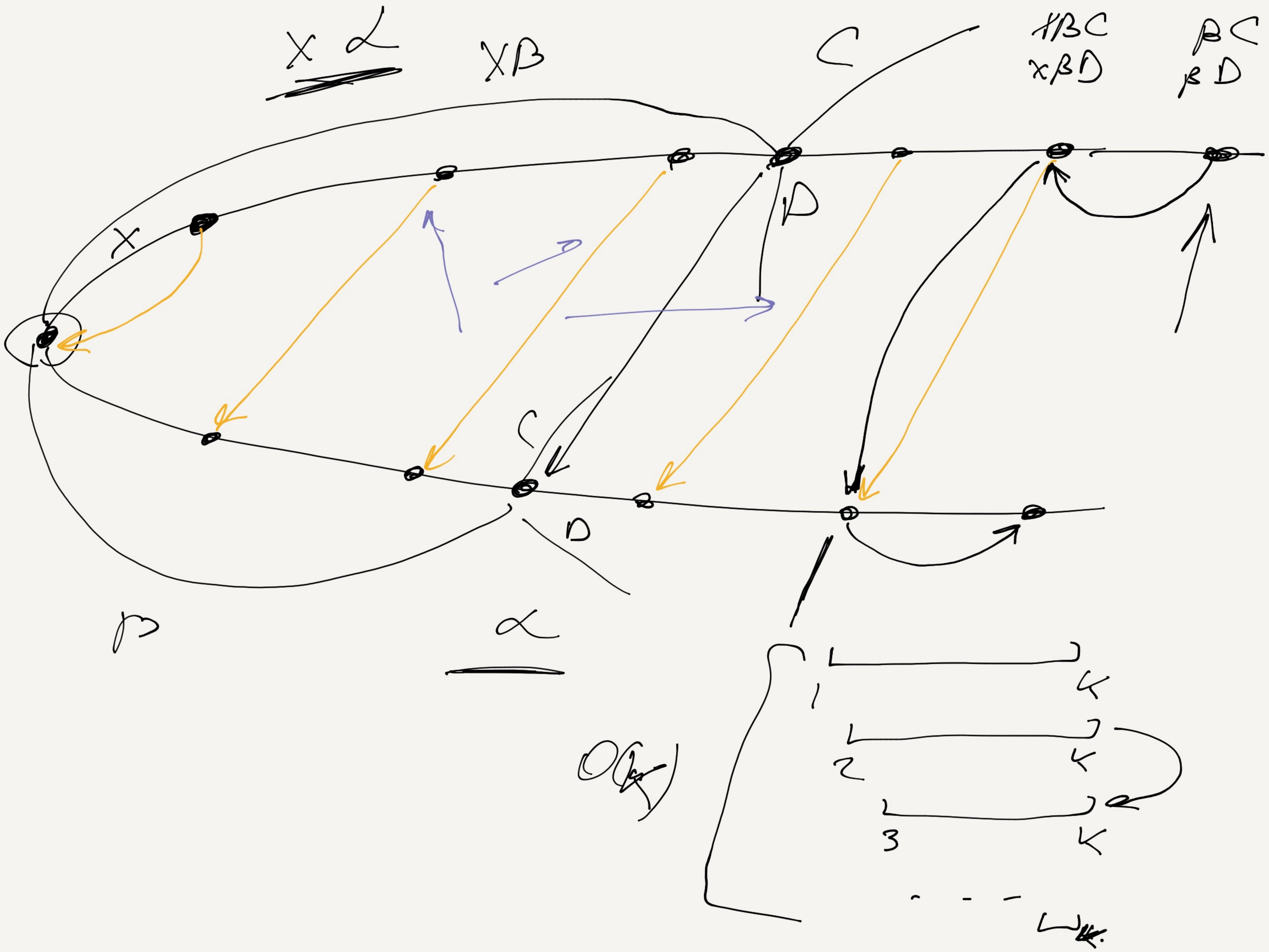
E

F

G

new
list

new
list

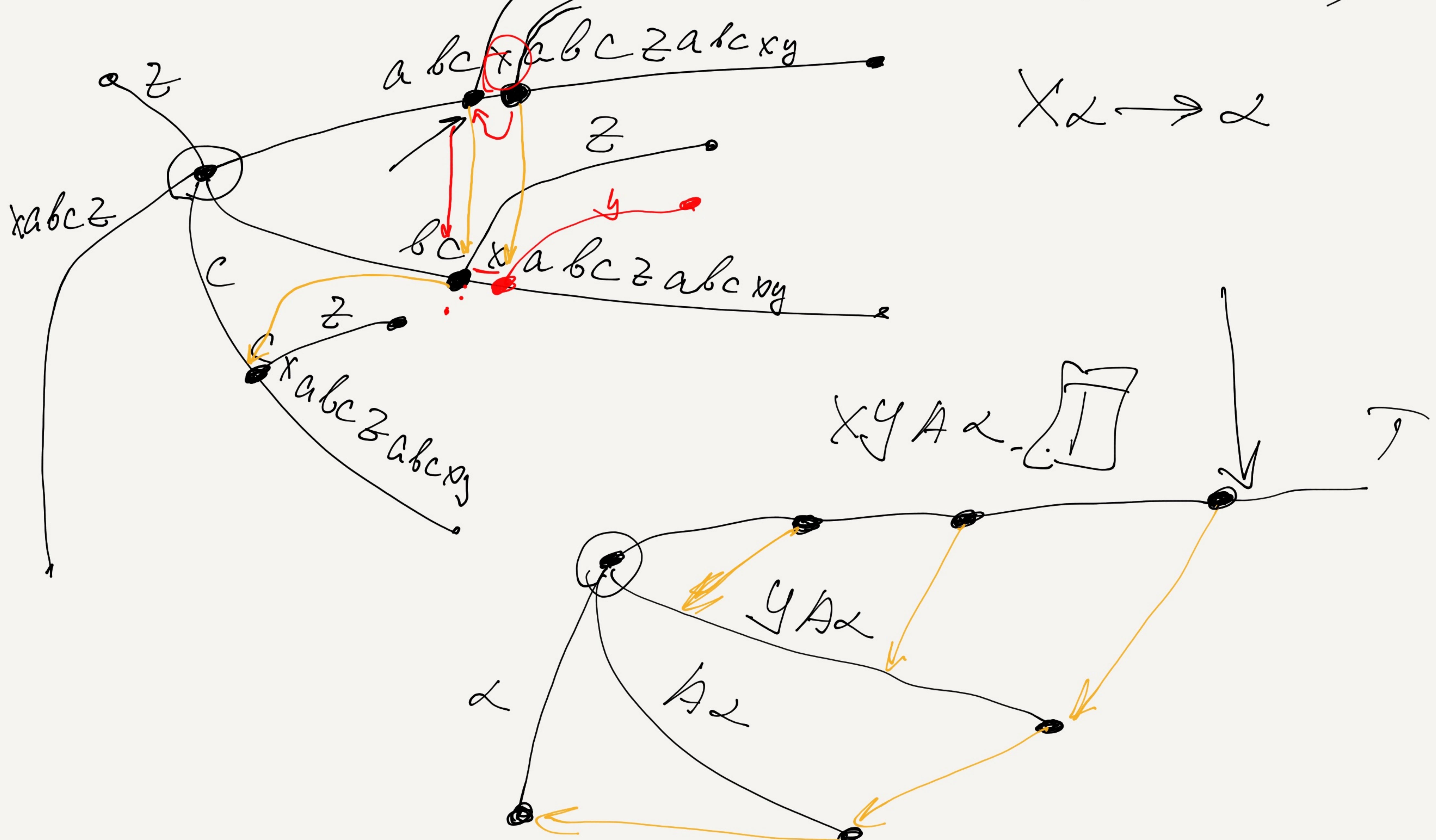


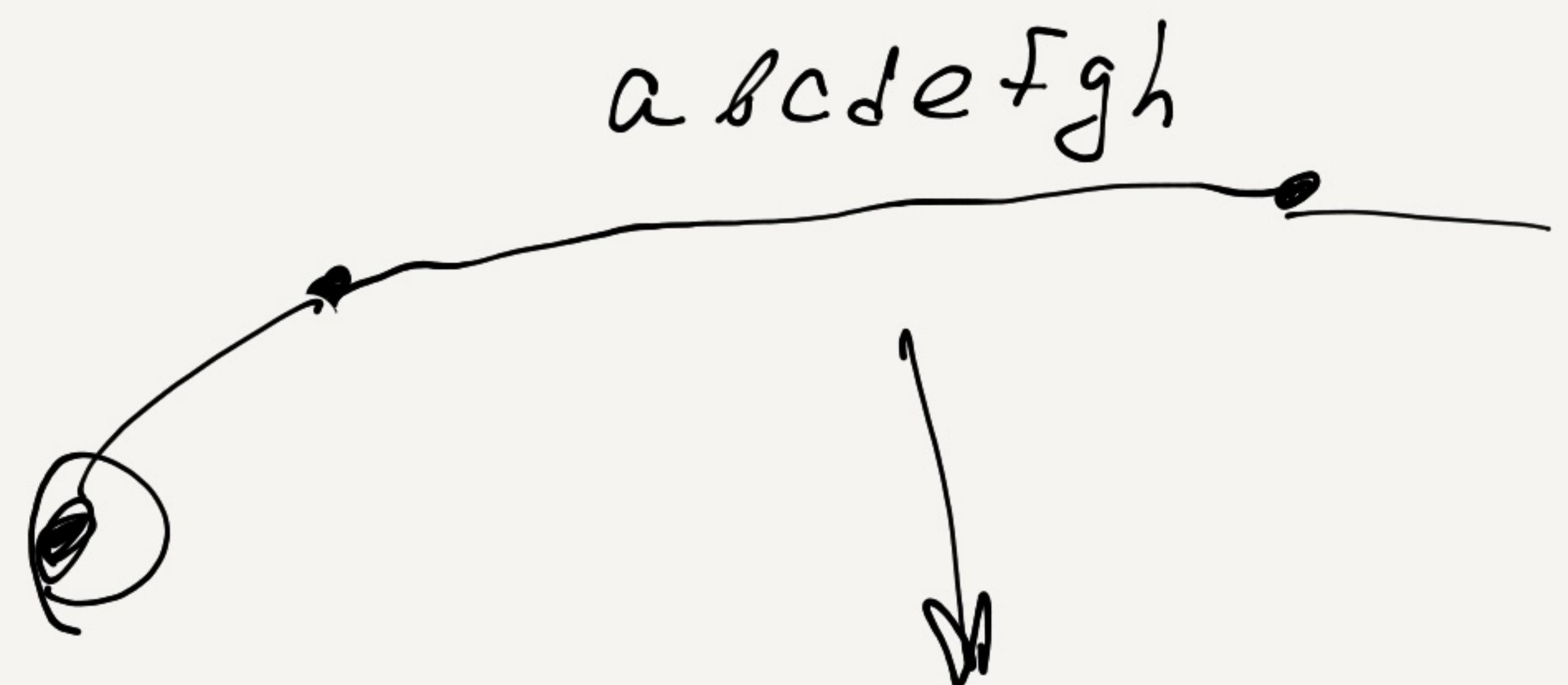
$\underbrace{abc \times abc}_z$ $\underbrace{abc \times y}_{2abc \times y}$

$a b c z$

\underline{abcxy}

$O(n^2)$

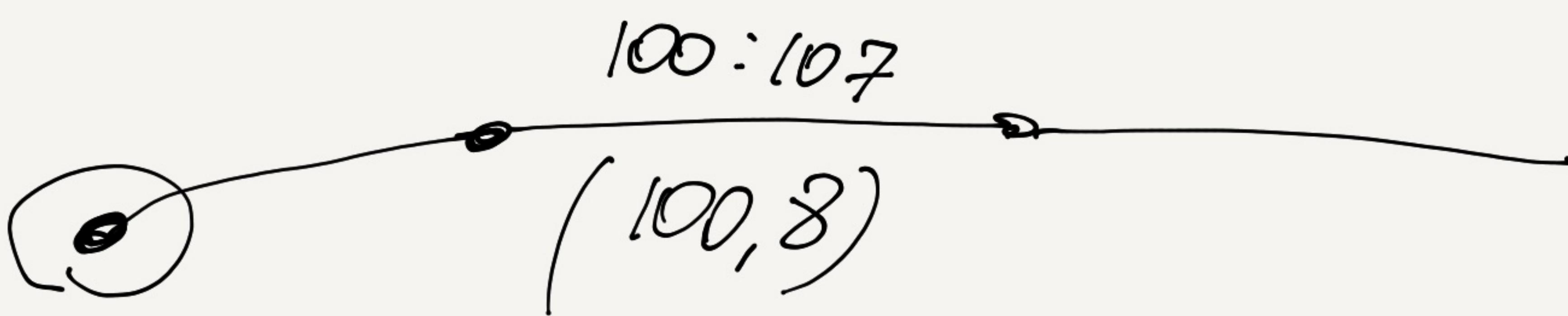




$$T = \dots abcdefgh \dots$$

↑ ↑ ↑

100 102



n

$2n$

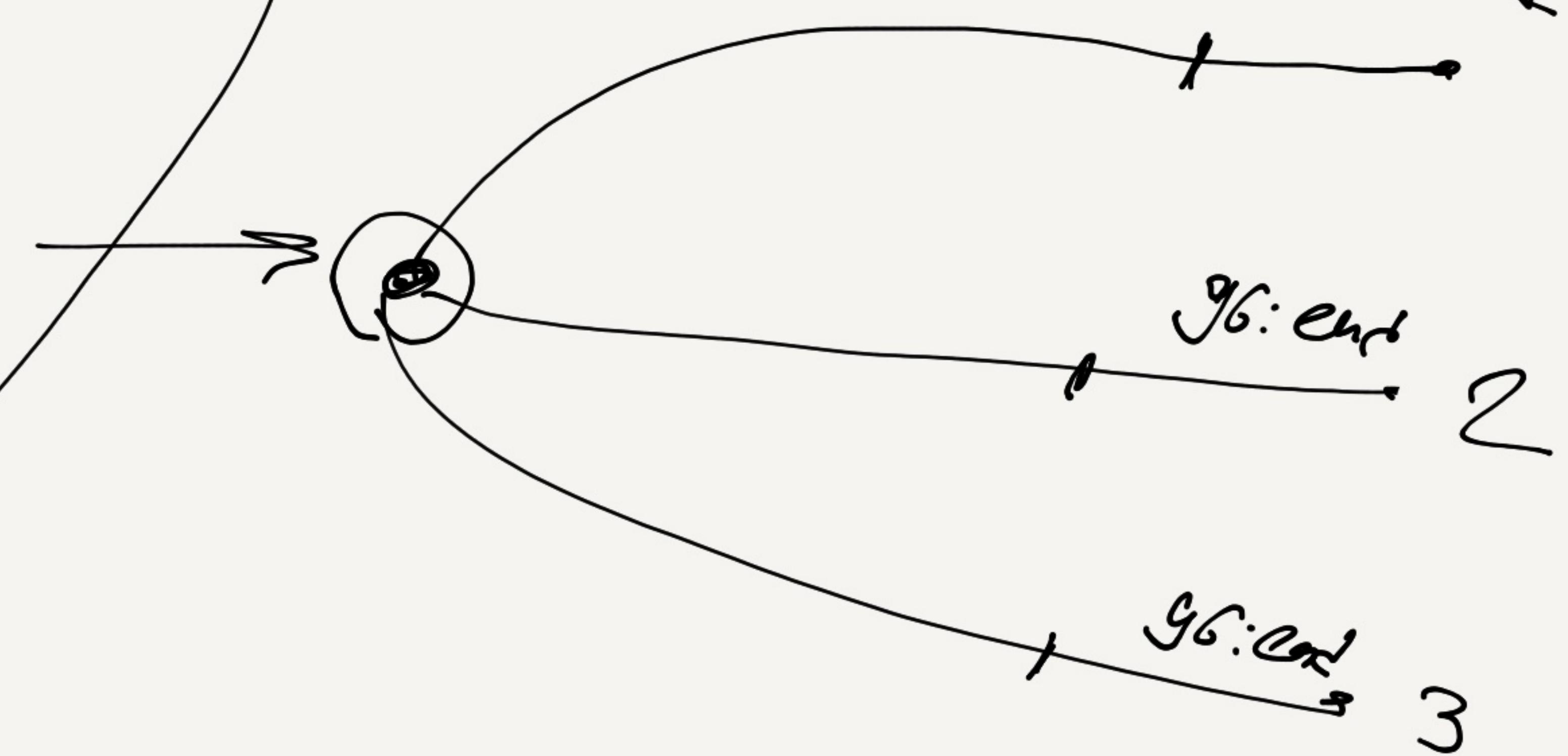
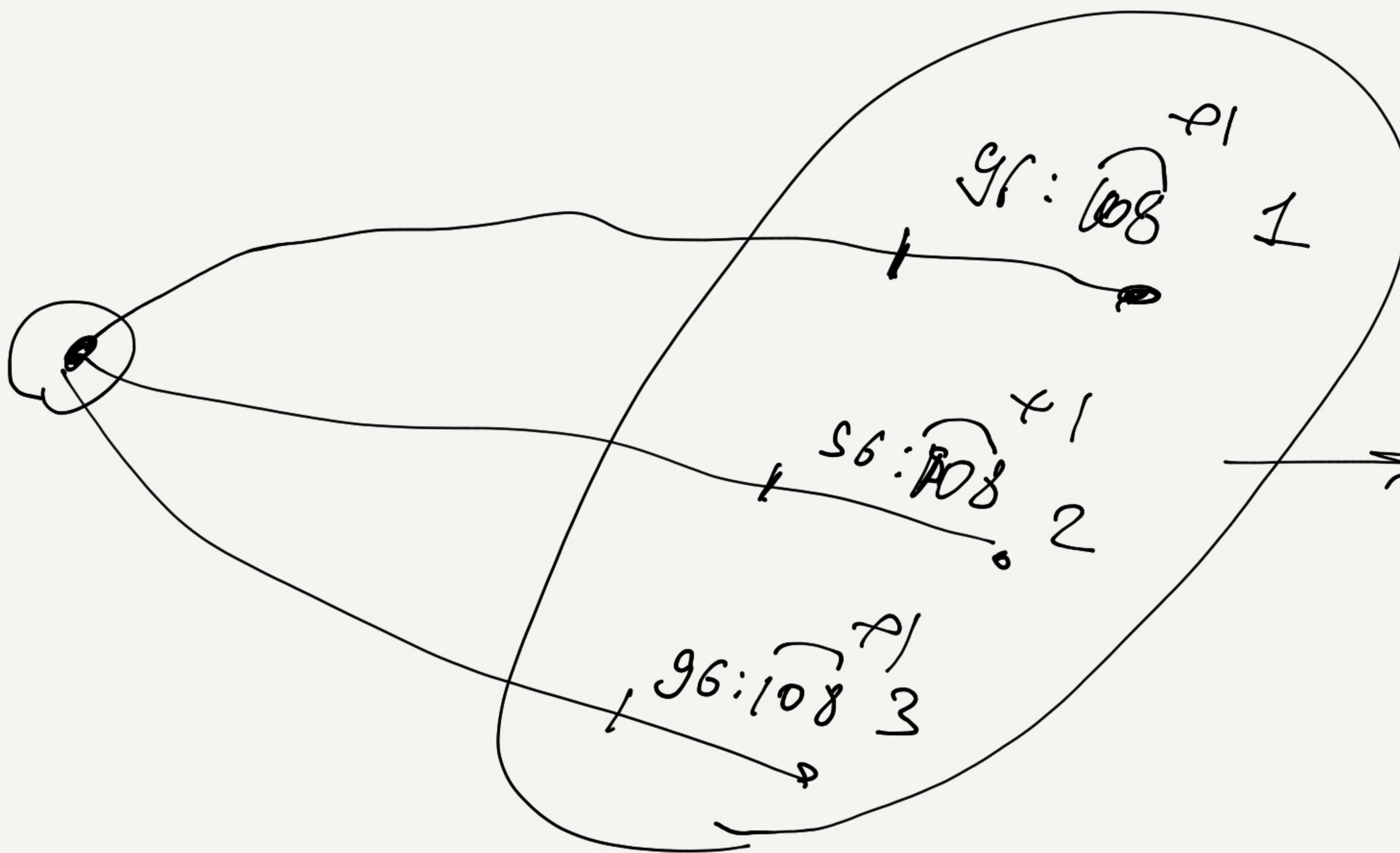
$2n-1$

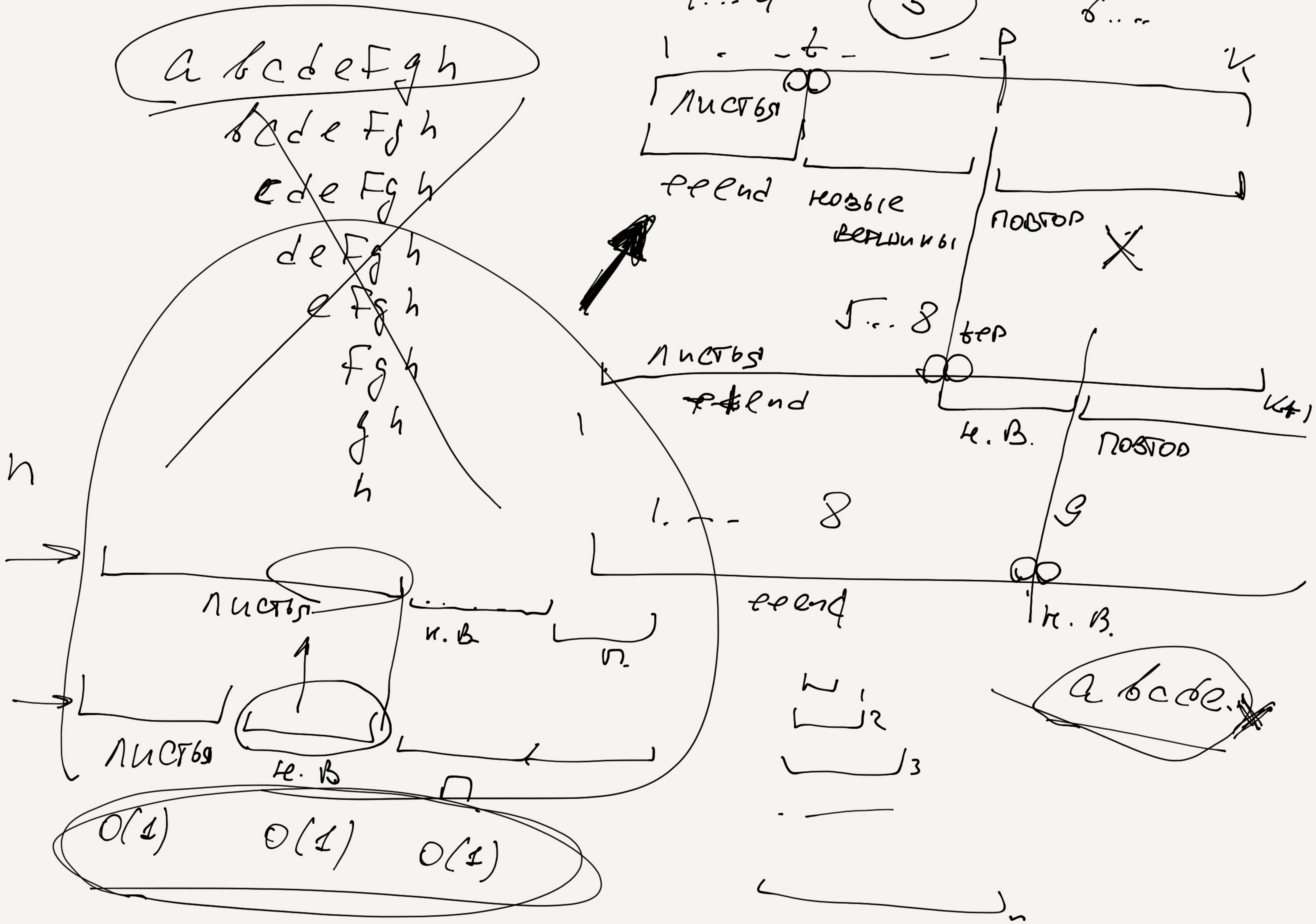
2^{int}

$(4n-2)^{int}$

$O(n)$

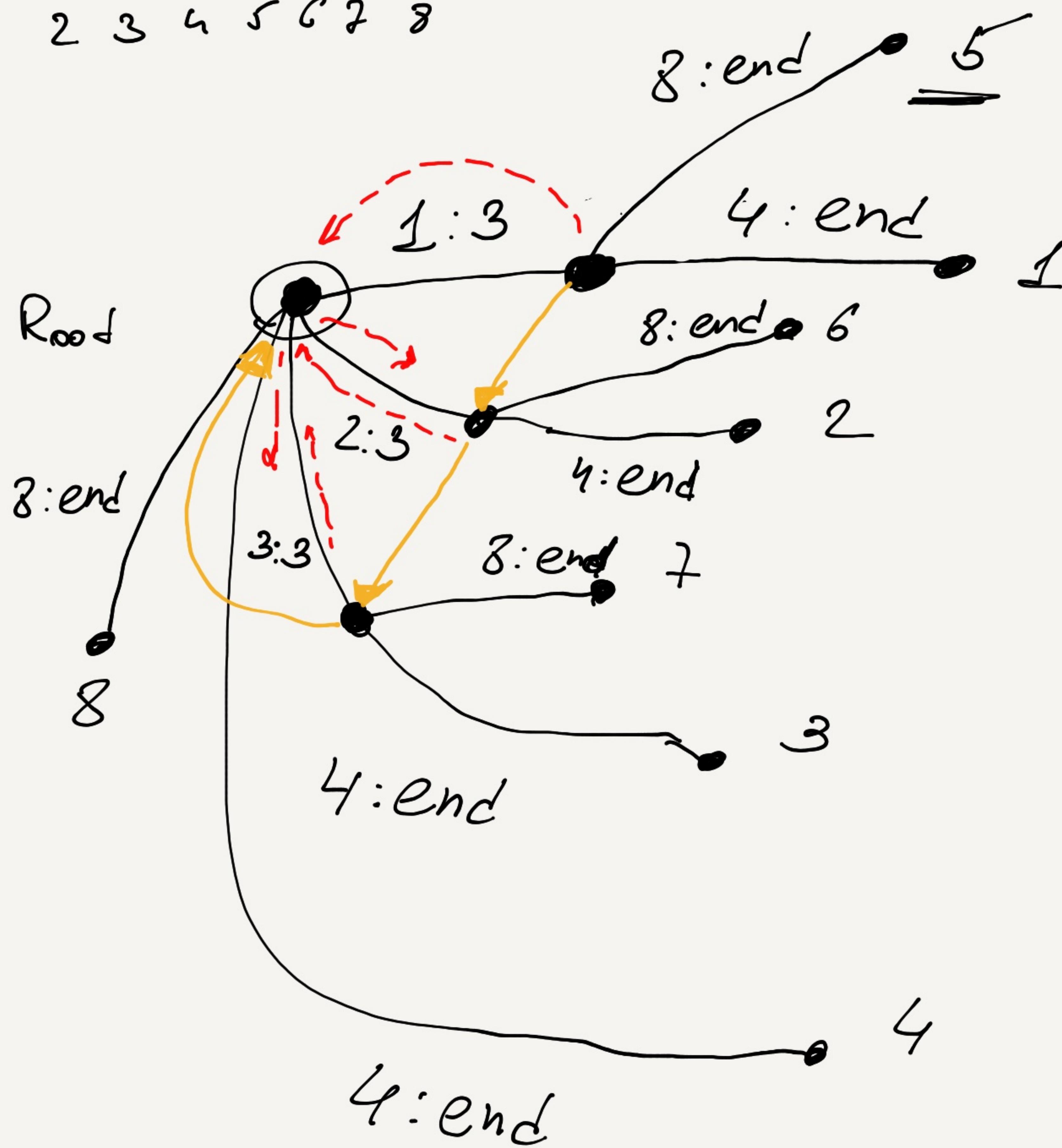
$g_6: end$



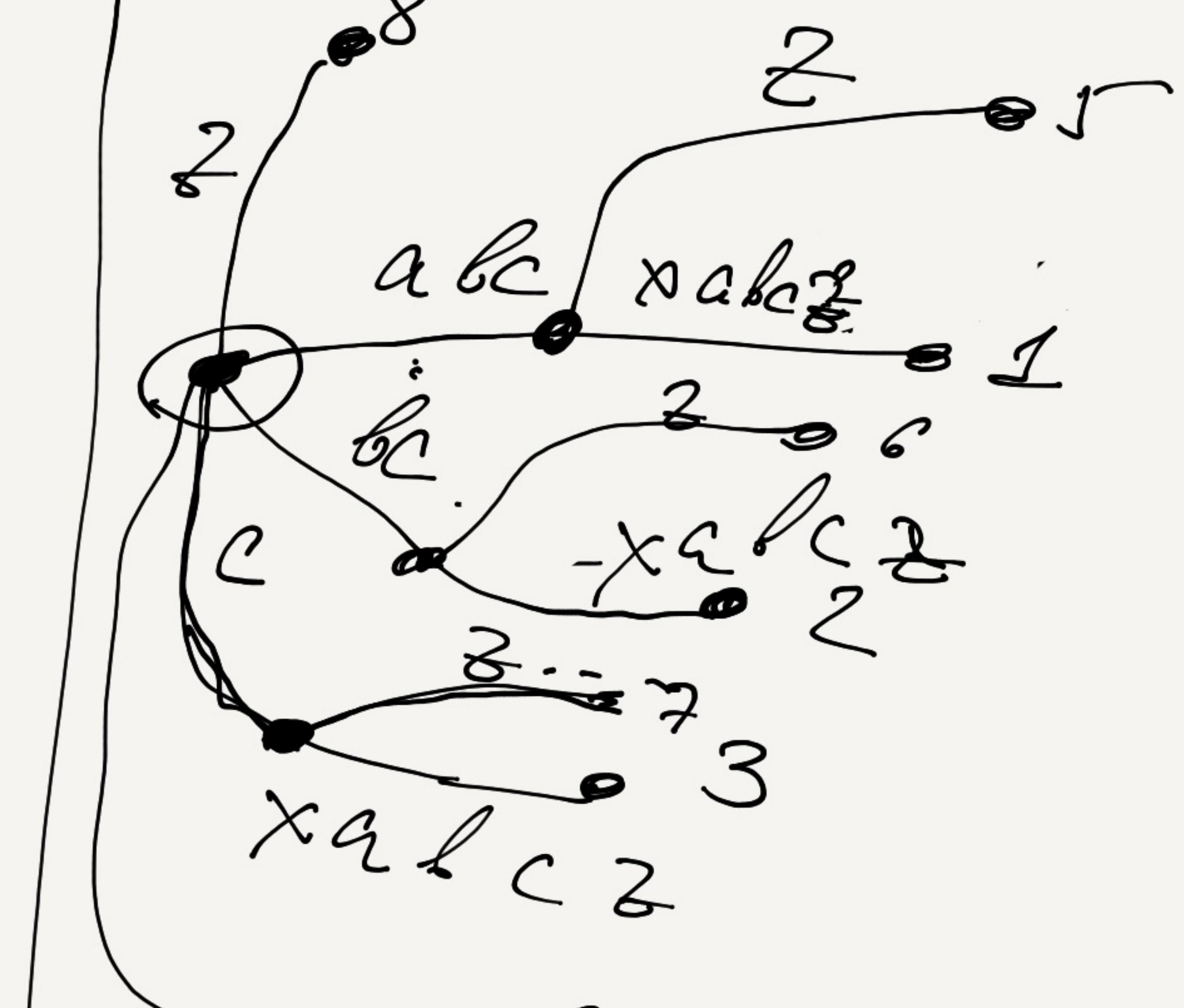


$$abc \times abc2 = T$$

1 2 3 4 5 6 7 8



$$\text{end} = 8$$



$$xabc2^4$$

$$abc xabc2$$

$$bc xabc2$$

$$c xabc2$$

$$xabc2$$

$$abc2$$

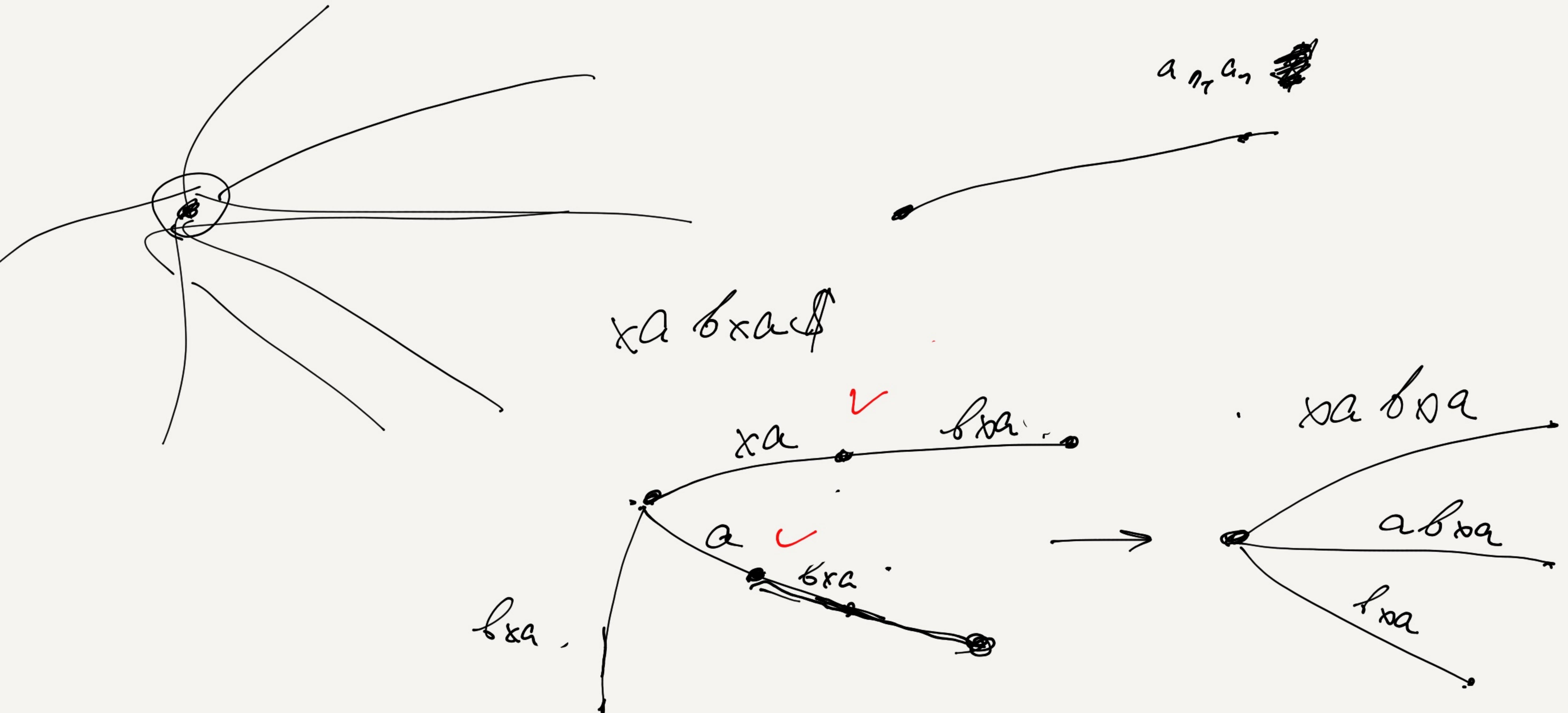
$$bc2$$

$$c2$$

$$z$$

$T = \underbrace{a_1, a_2, \dots}_{\text{any } \$}$

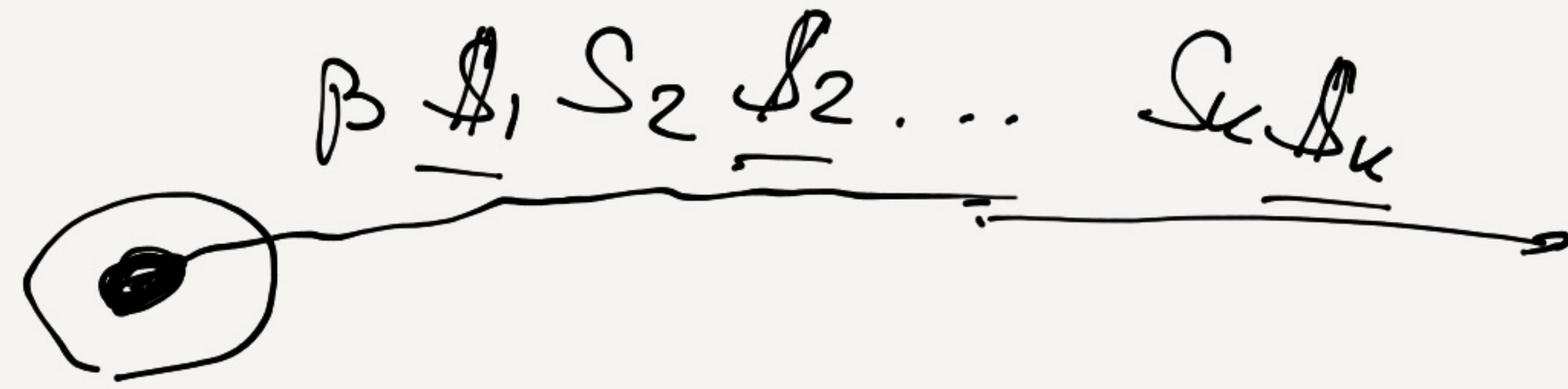
$T' = \underbrace{a_1, a_2, \dots}_{\$} a_n, a_{n+1}, a_{n+2}, \dots, a_m$



S_1 S_2 \vdots S_K

$$S = S_1 \$ S_2 \$ S_3 \$ \dots \$ S_K$$

$$S_1 = \alpha \beta$$

 S_1 S_2 S_1 S_2 $1, I$ $2, I$ $3, I$ $4, I$ $5, I$ $6, I$ $7, I$ $8, I$ $9, I/II$ $10, I/II$ $11, I/II$ $12, I/II$ $13, I/II$ $14, I/II$ $15, I/II$ $16, I/II$ $17, I/II$ $18, I/II$ $19, I/II$ $20, I/II$ $21, I/II$ $22, I/II$ $23, I/II$ $24, I/II$ $25, I/II$ $26, I/II$ $27, I/II$ $28, I/II$ $29, I/II$ $30, I/II$ $31, I/II$ $32, I/II$ $33, I/II$ $34, I/II$ $35, I/II$ $36, I/II$ $37, I/II$ $38, I/II$ $39, I/II$ $40, I/II$ $41, I/II$ $42, I/II$ $43, I/II$ $44, I/II$ $45, I/II$ $46, I/II$ $47, I/II$ $48, I/II$ $49, I/II$ $50, I/II$ $51, I/II$ $52, I/II$ $53, I/II$ $54, I/II$ $55, I/II$ $56, I/II$ $57, I/II$ $58, I/II$ $59, I/II$ $60, I/II$ $61, I/II$ $62, I/II$ $63, I/II$ $64, I/II$ $65, I/II$ $66, I/II$ $67, I/II$ $68, I/II$ $69, I/II$ $70, I/II$ $71, I/II$ $72, I/II$ $73, I/II$ $74, I/II$ $75, I/II$ $76, I/II$ $77, I/II$ $78, I/II$ $79, I/II$ $80, I/II$ $81, I/II$ $82, I/II$ $83, I/II$ $84, I/II$ $85, I/II$ $86, I/II$ $87, I/II$ $88, I/II$ $89, I/II$ $90, I/II$ $91, I/II$ $92, I/II$ $93, I/II$ $94, I/II$ $95, I/II$ $96, I/II$ $97, I/II$ $98, I/II$ $99, I/II$ $100, I/II$ $101, I/II$ $102, I/II$ $103, I/II$ $104, I/II$ $105, I/II$ $106, I/II$ $107, I/II$ $108, I/II$ $109, I/II$ $110, I/II$ $111, I/II$ $112, I/II$ $113, I/II$ $114, I/II$ $115, I/II$ $116, I/II$ $117, I/II$ $118, I/II$ $119, I/II$ $120, I/II$ $121, I/II$ $122, I/II$ $123, I/II$ $124, I/II$ $125, I/II$ $126, I/II$ $127, I/II$ $128, I/II$ $129, I/II$ $130, I/II$ $131, I/II$ $132, I/II$ $133, I/II$ $134, I/II$ $135, I/II$ $136, I/II$ $137, I/II$ $138, I/II$ $139, I/II$ $140, I/II$ $141, I/II$ $142, I/II$ $143, I/II$ $144, I/II$ $145, I/II$ $146, I/II$ $147, I/II$ $148, I/II$ $149, I/II$ $150, I/II$ $151, I/II$ $152, I/II$ $153, I/II$ $154, I/II$ $155, I/II$ $156, I/II$ $157, I/II$ $158, I/II$ $159, I/II$ $160, I/II$ $161, I/II$ $162, I/II$ $163, I/II$ $164, I/II$ $165, I/II$ $166, I/II$ $167, I/II$ $168, I/II$ $169, I/II$ $170, I/II$ $171, I/II$ $172, I/II$ $173, I/II$ $174, I/II$ $175, I/II$ $176, I/II$ $177, I/II$

$$S_1 = \overbrace{a \ b \ c}^{\text{abc}} \overbrace{a \ b}^{\text{ab}}$$

$$S_2 = \overbrace{a \ b}^{\text{ab}} \times \overbrace{c}^{\$}$$

$$S_3 = \overbrace{\cancel{a} \ \cancel{b}}^{\text{ab}} \ a \ \overbrace{c \ b}^{\$}$$

$a \ b \ c \ a \ b \ \$$, $a \ b \ x \ c \ \$$, $a \ b \ c \ a \ b \ \$$

