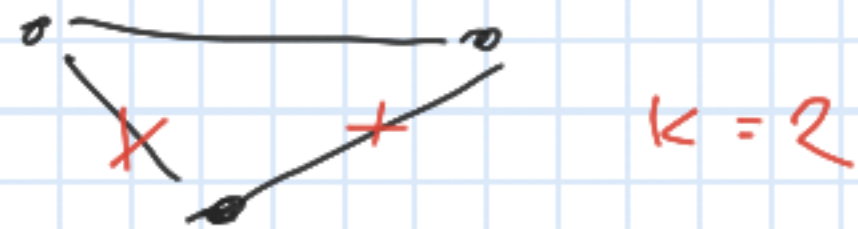
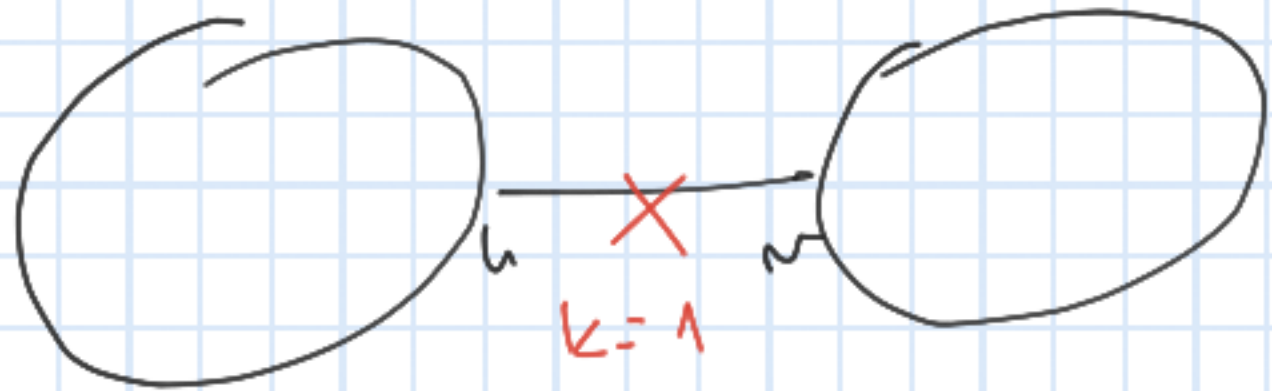


Z1. Max flow & grafie nieskierowanym. Algorytm

Z2. Spójność krawędziowa. $G=(V, E)$ k - linie krawędzi - Alg.



Z3. Formuły logiczne

$$\boxed{(\underline{x} \vee \underline{y} \vee \underline{z}) \wedge (\underline{\bar{y}} \vee w) \wedge (\underline{\bar{z}} \vee w) \wedge (\underline{\bar{x}} \vee \bar{w}) \wedge (\bar{w})}$$

Czy jest spełniona? Alg.

$$(x \vee y) \wedge (\bar{x} \vee z) \quad \boxed{(x \vee z \vee w) \vee (x \vee \bar{x} \vee \dots)} \quad (x \vee y) \wedge (\bar{x}) \wedge (\bar{y})$$

$$(x \vee z) \wedge (\bar{x}) \wedge (\bar{z} \vee y) \wedge (\bar{y}) \rightarrow 0 \quad 0$$

24.] Skrajanie w drzewie

Alg

a) INPUT: $tree$

OUTPUT: skrajanie o maksymalnej liczbie

b) — || — 2 wagi
krawędzie > 0

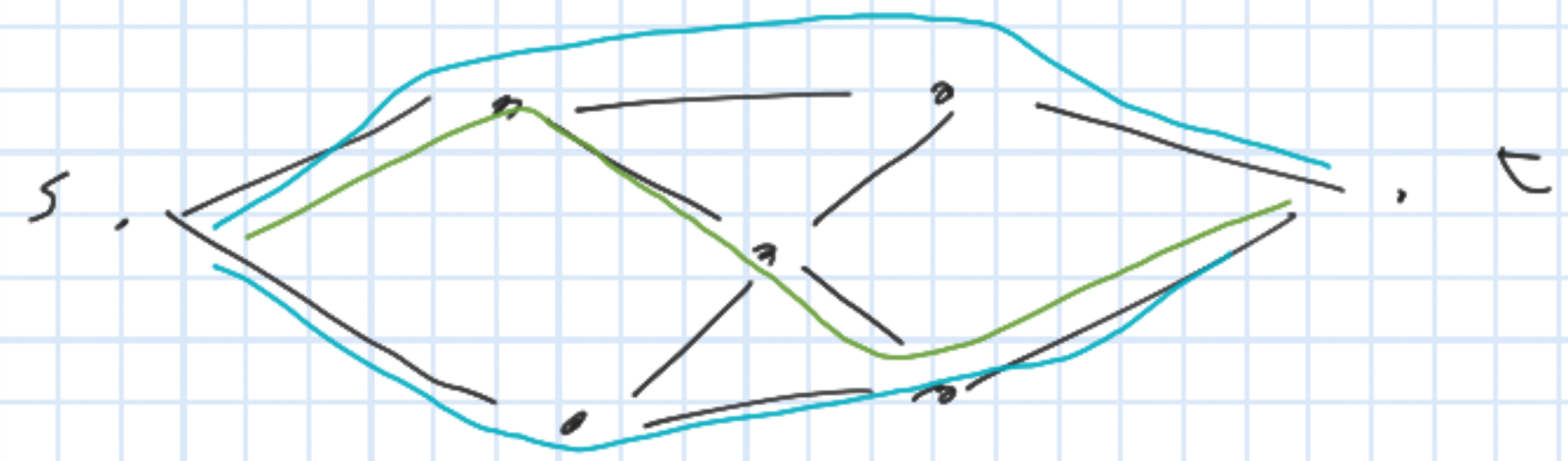
OUTPUT: skrajanie o maksymalnym
sumie wag

25] Ścieżki rotacyjne.

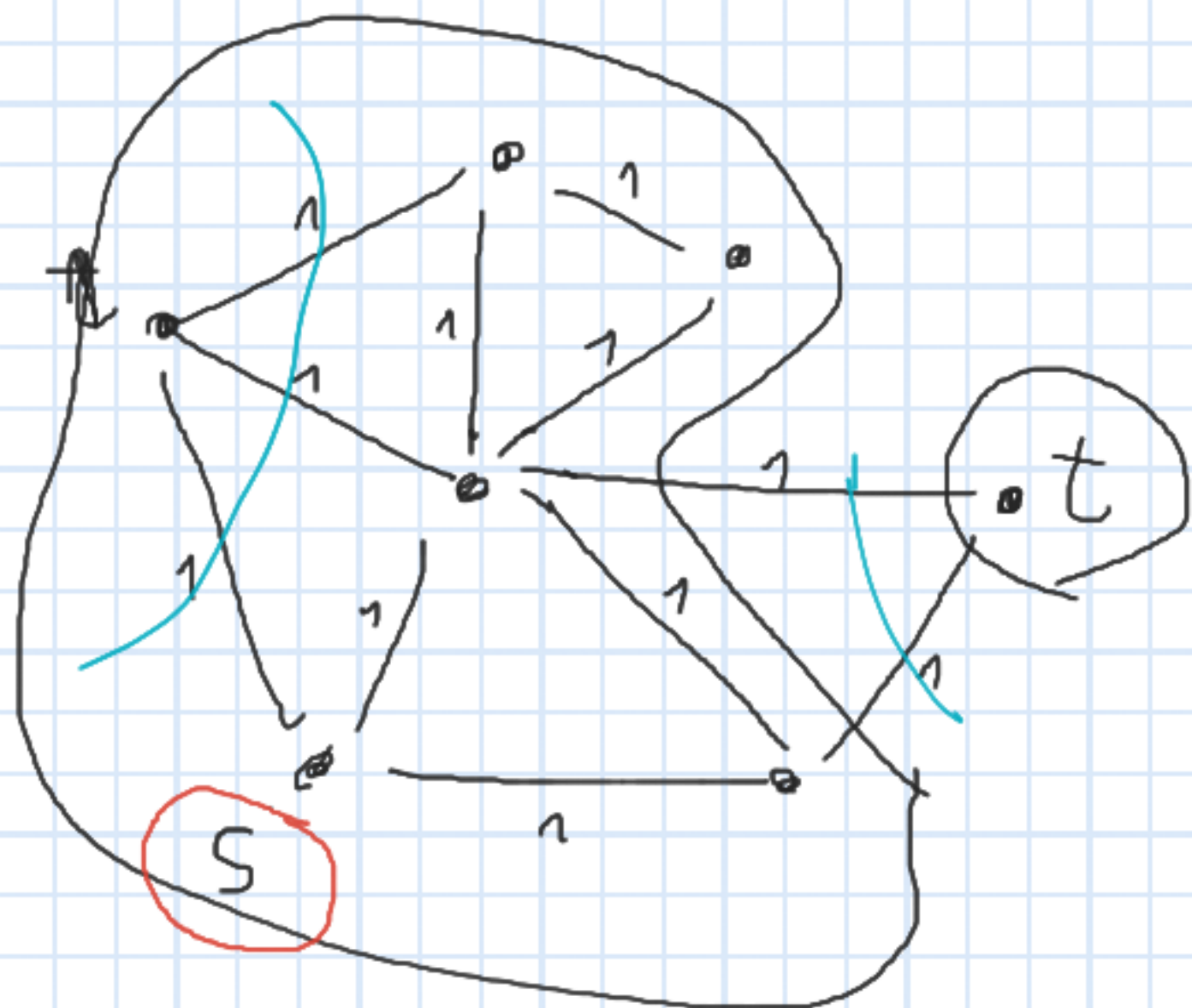
$G = (V, E)$, s, t

Alg

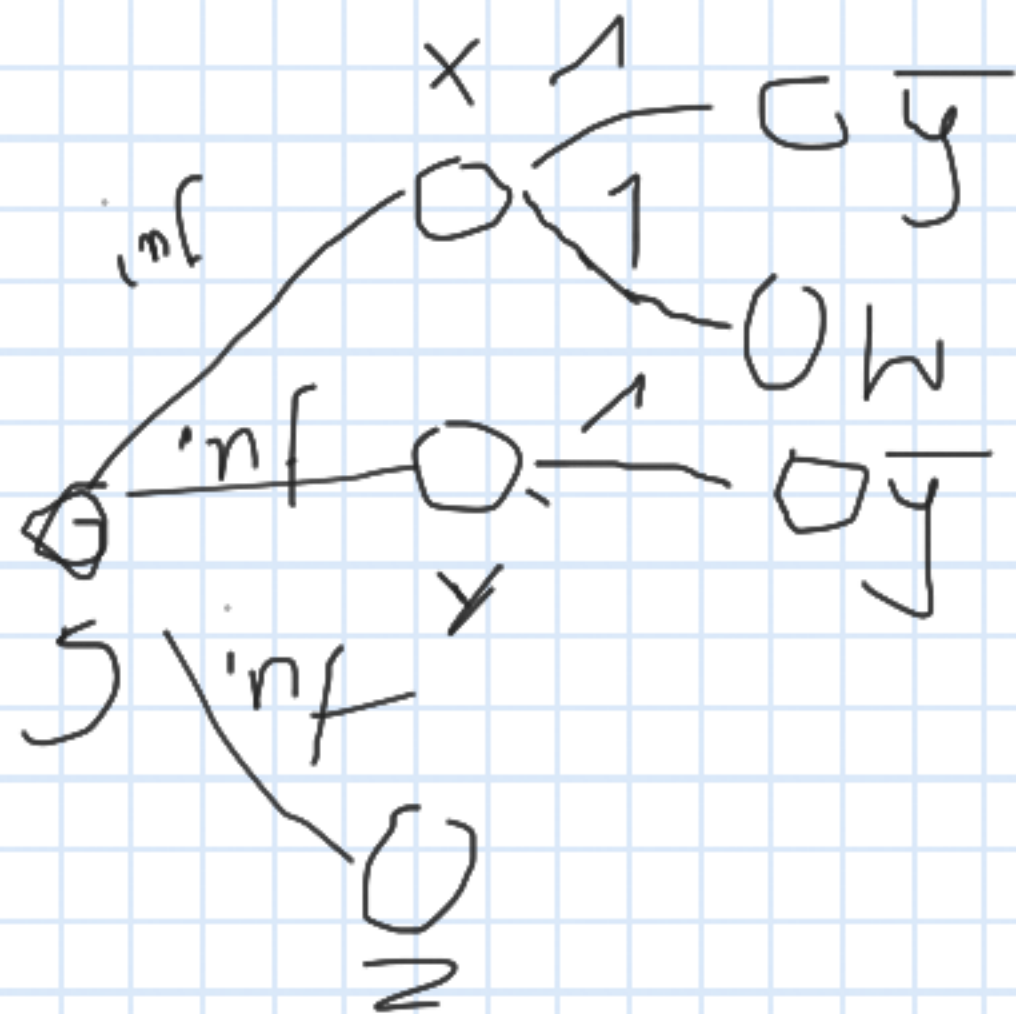
Wierzchołkowo
↑

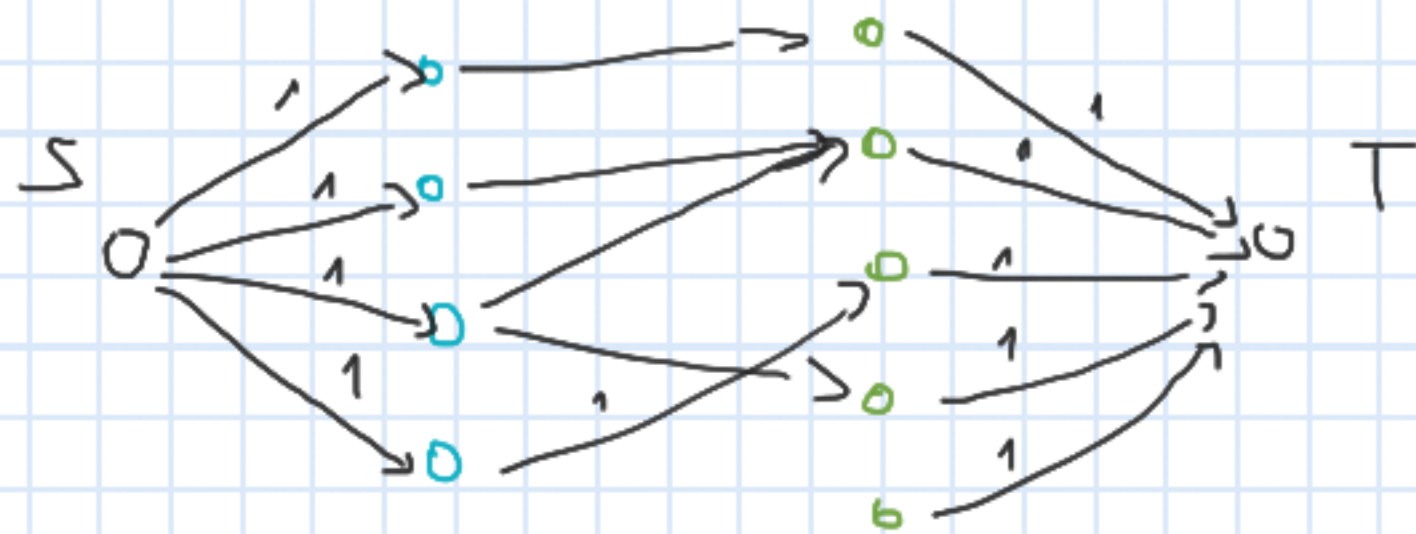
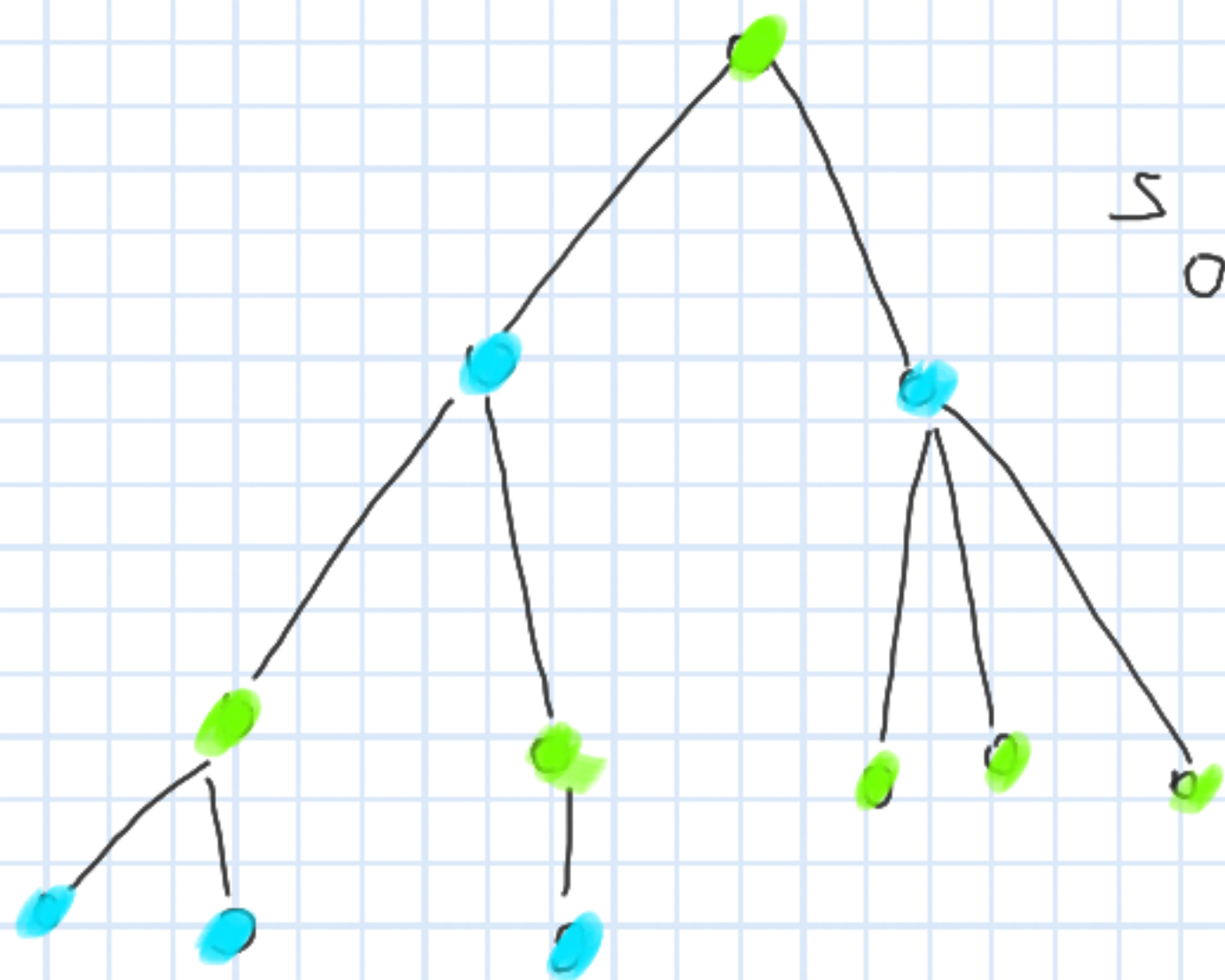


221



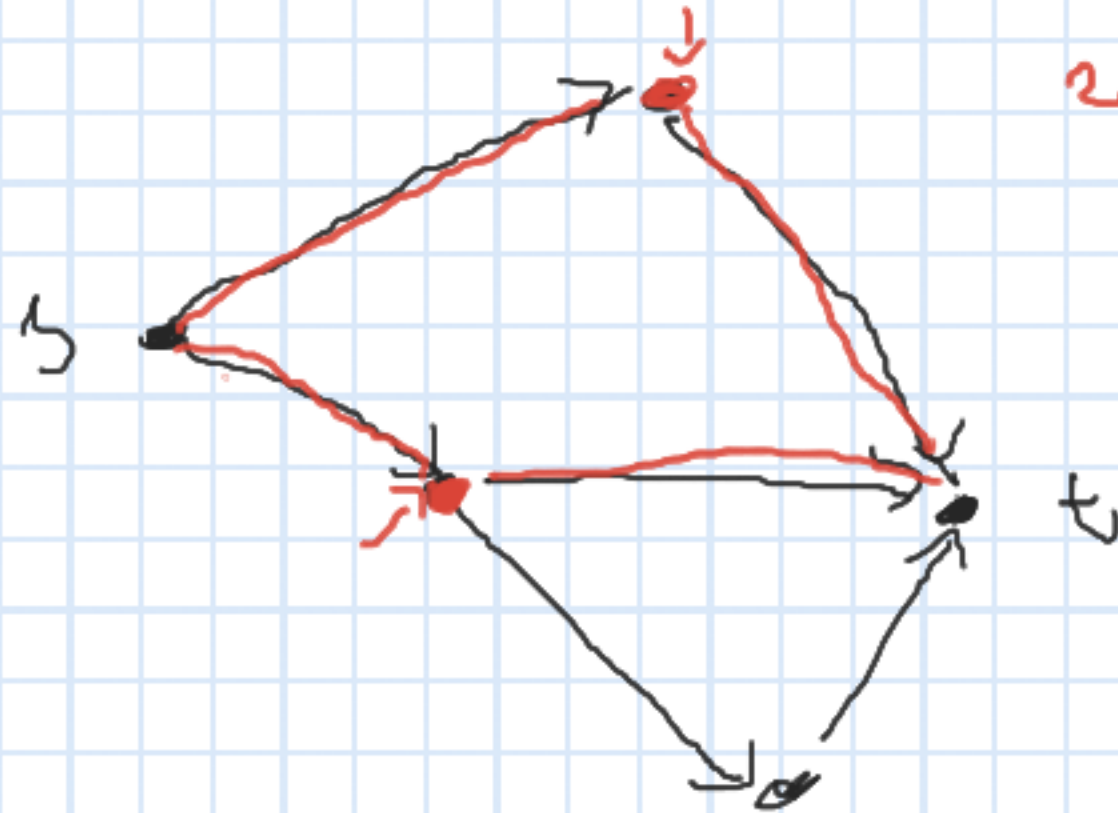
$$\geq 3. \quad (x \vee y \vee z) \wedge (\delta^- \vee c) \wedge (\bar{z} \vee v) \wedge (\bar{x} \vee \bar{a})$$



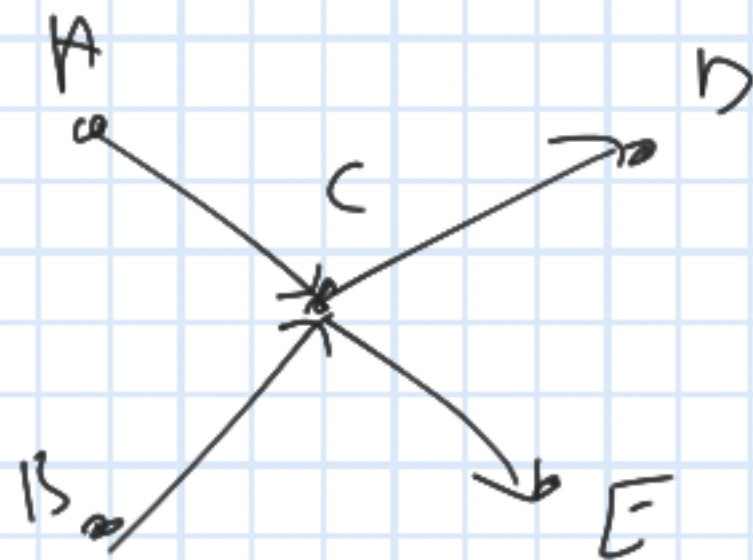


2a

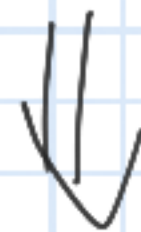
3 ~~Stellen~~, vorwärts und
0 wiederholt bis in die



$S \rightsquigarrow$



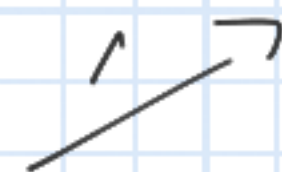
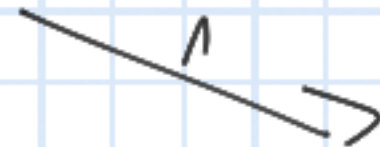
$\rightsquigarrow t$



$S \rightarrow$

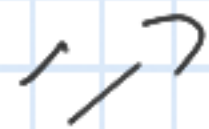
$A_1 \xrightarrow{\quad} A_2$

$B_1 \xrightarrow{\quad} B_2$



$C_1 \xrightarrow{\quad} C_2$

C_2



$D_1 \xrightarrow{\quad} D_2$

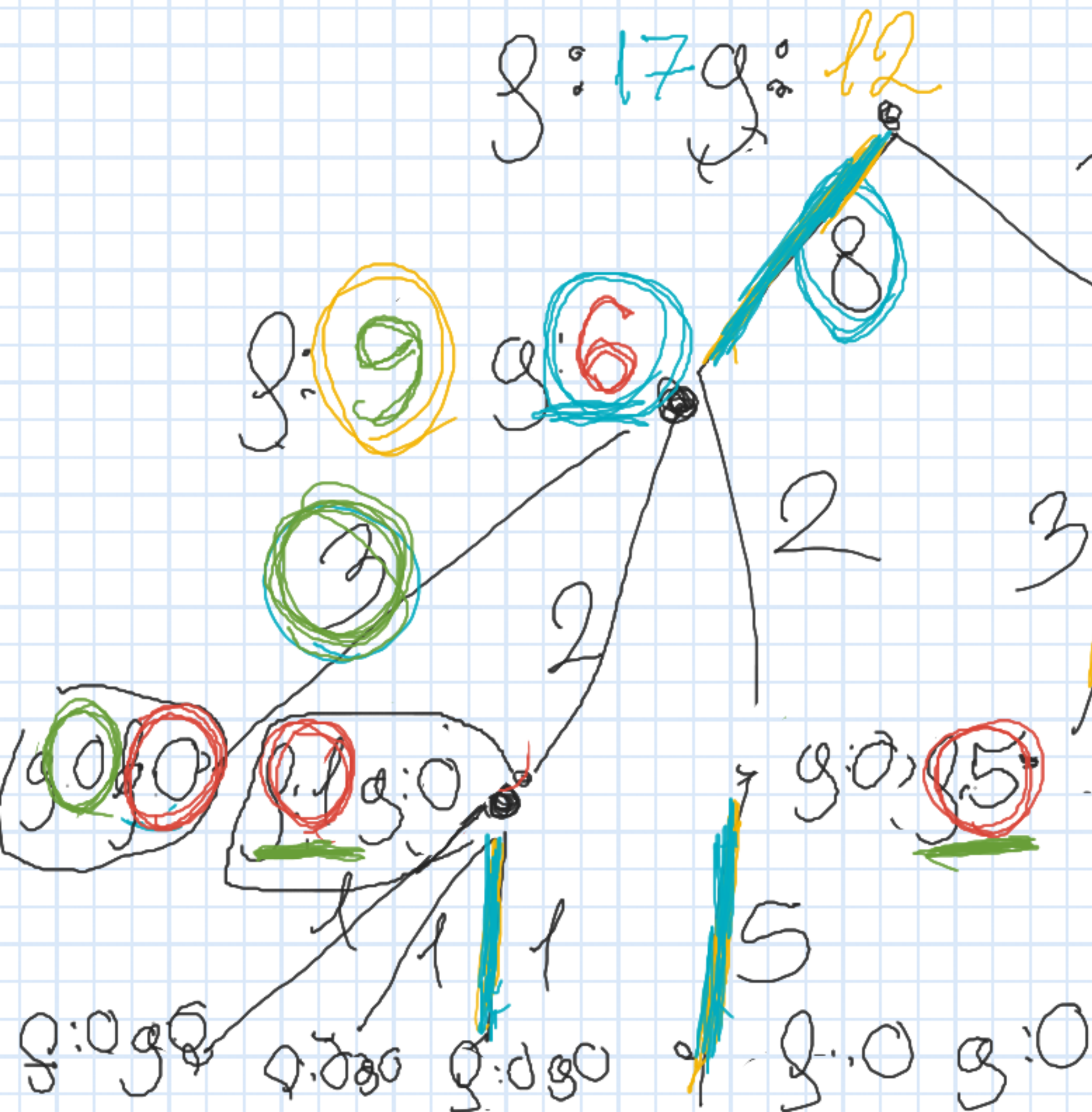
$E_1 \xrightarrow{\quad} E_2$

$\rightsquigarrow t$

V.g. - Max shoulder
ne bone
wurde v

V.S - max!
shagareno
ktolego
vostemjstv

8:0 3:0

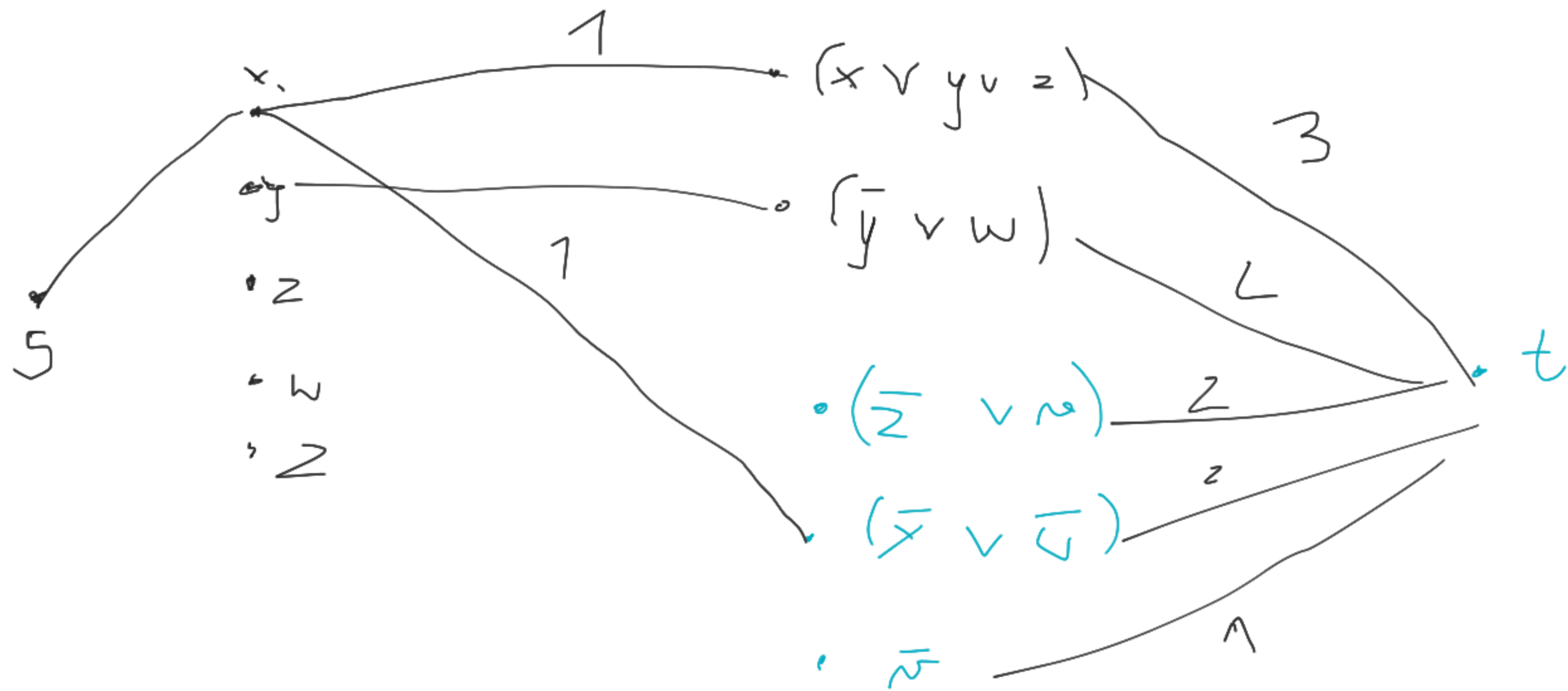


$$v.g = \begin{cases} 0, & v\text{-lišć} \\ \sum v.g, & v\text{-dnecho } v \end{cases}$$

(v.g)

$$v.g = \max \left(v.g, \max_{\substack{\text{po každém} \\ \text{dnecho } u}} (h_{u,v} + v.g + \underbrace{\sum_{w \text{ detci } v}_{,w}}_{w}) \right)$$

(v.f)



BST

1. T - drzewo BST 2. node.size - rozmiar poddrzewa

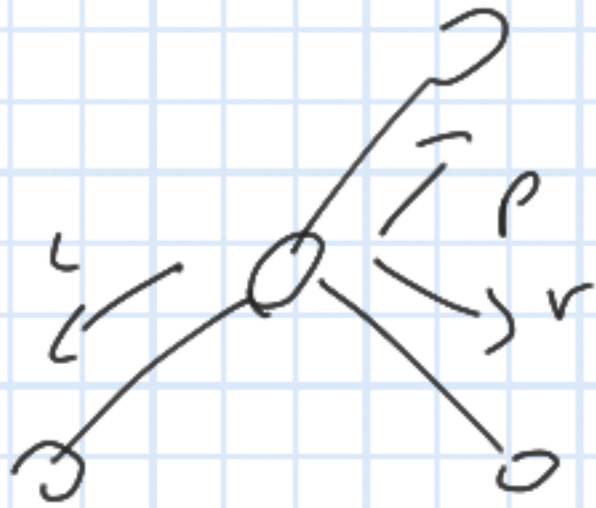
a) znalezienie i-tego elementu

IMPL

b) wyznaczenie ktorego z k.le jest dana wartość

IMPL

2.



n.p
n.l
n.r
n.v

ALG

Szukamy: same wartości

23]

DNA

GATC

ALL

{ G G C C A T
G C A
.
.
.
.
.

Zelenec: C₂

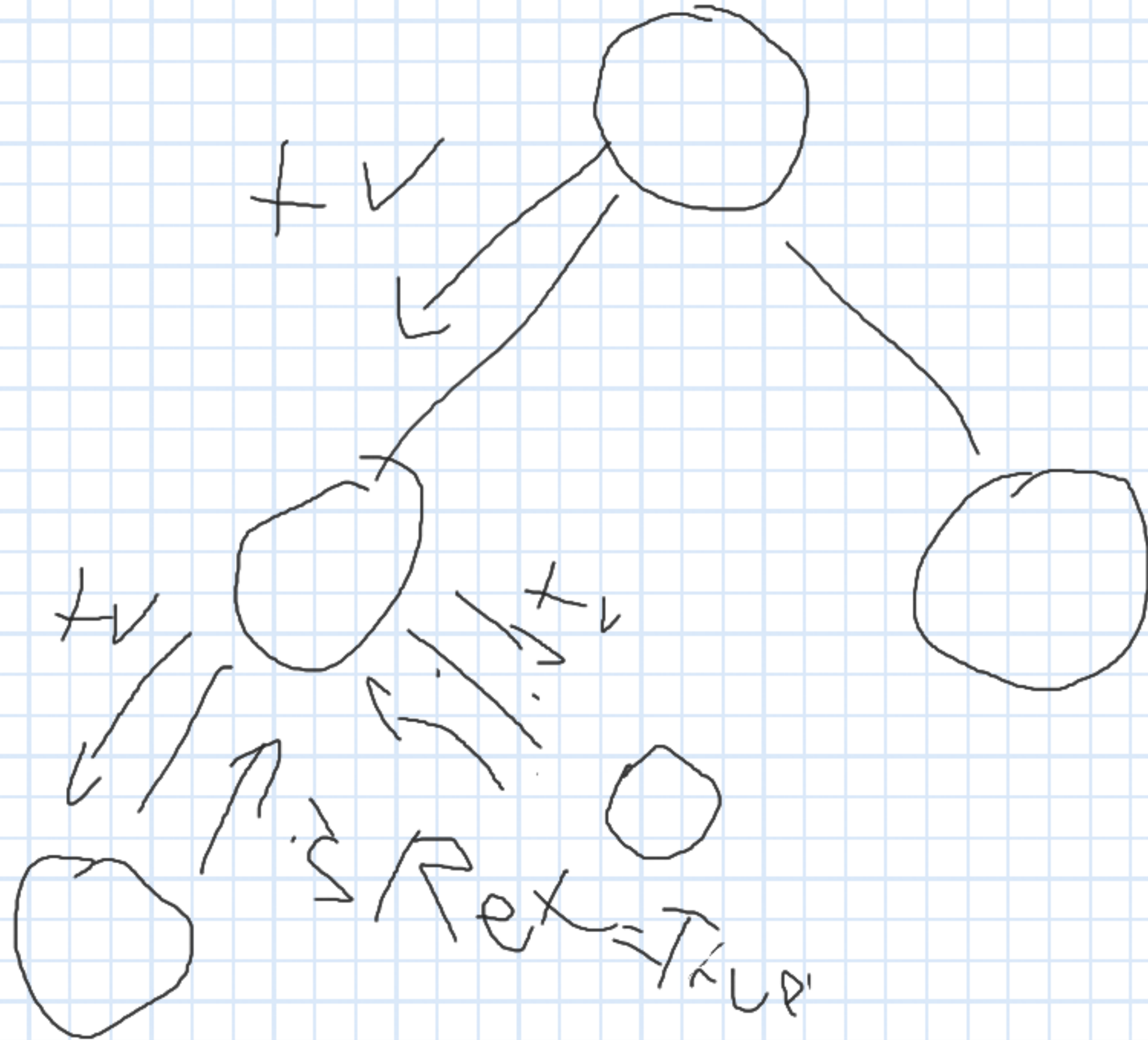
sequence

59

pourami roline?

$$V = 0$$

Checked -



$O(n^2 \text{ MAXLEN})$

n { GATC
GACT
- - -
- - -

$h = \max(\text{len})$

$O(n \cdot h)$

TRIE

