

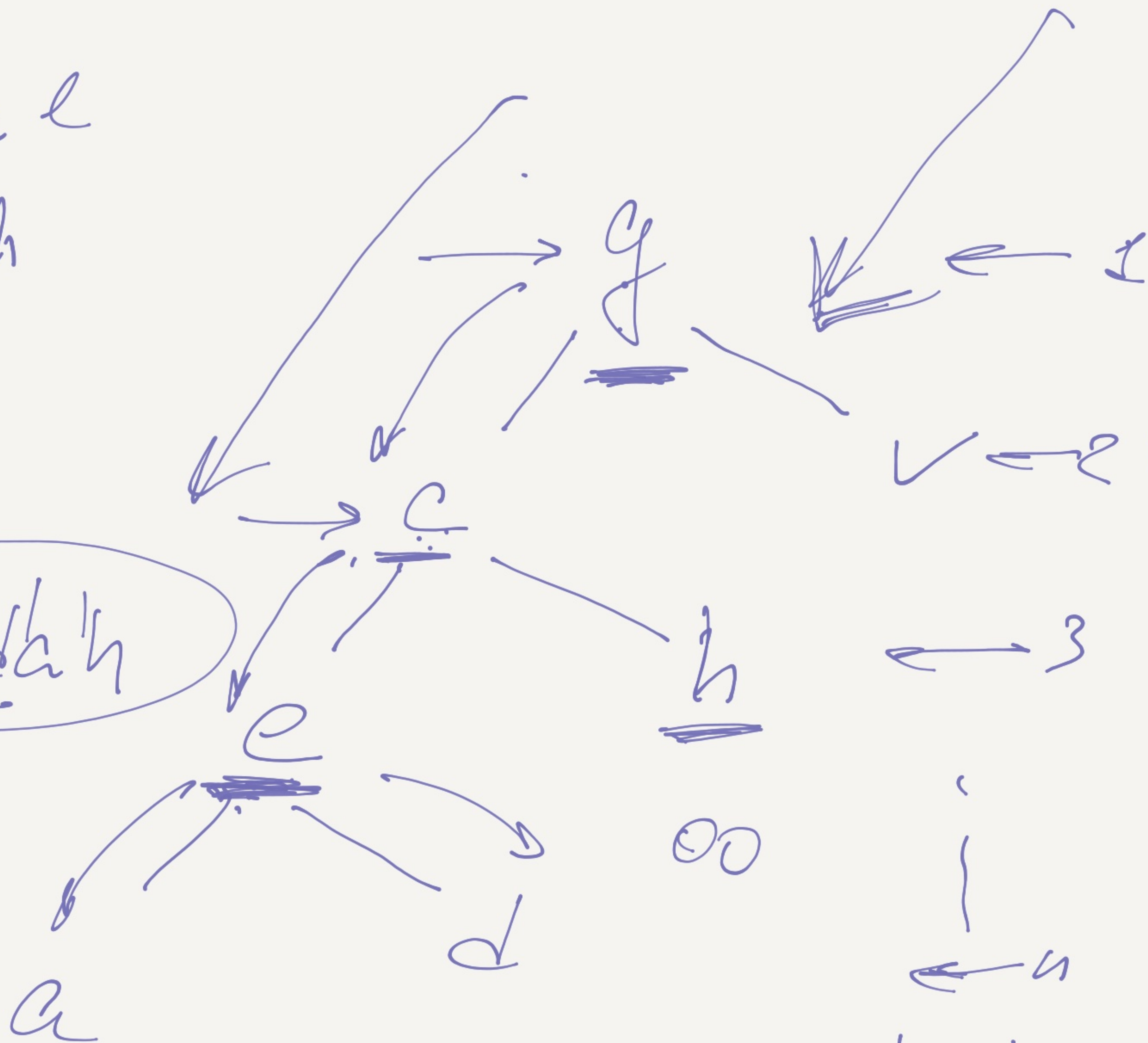
Digital

search

Tree

DST

g c e c d a h  
vem



1  
2  
3  
4

c 0001  
a 0000  
b 00010  
e 00101

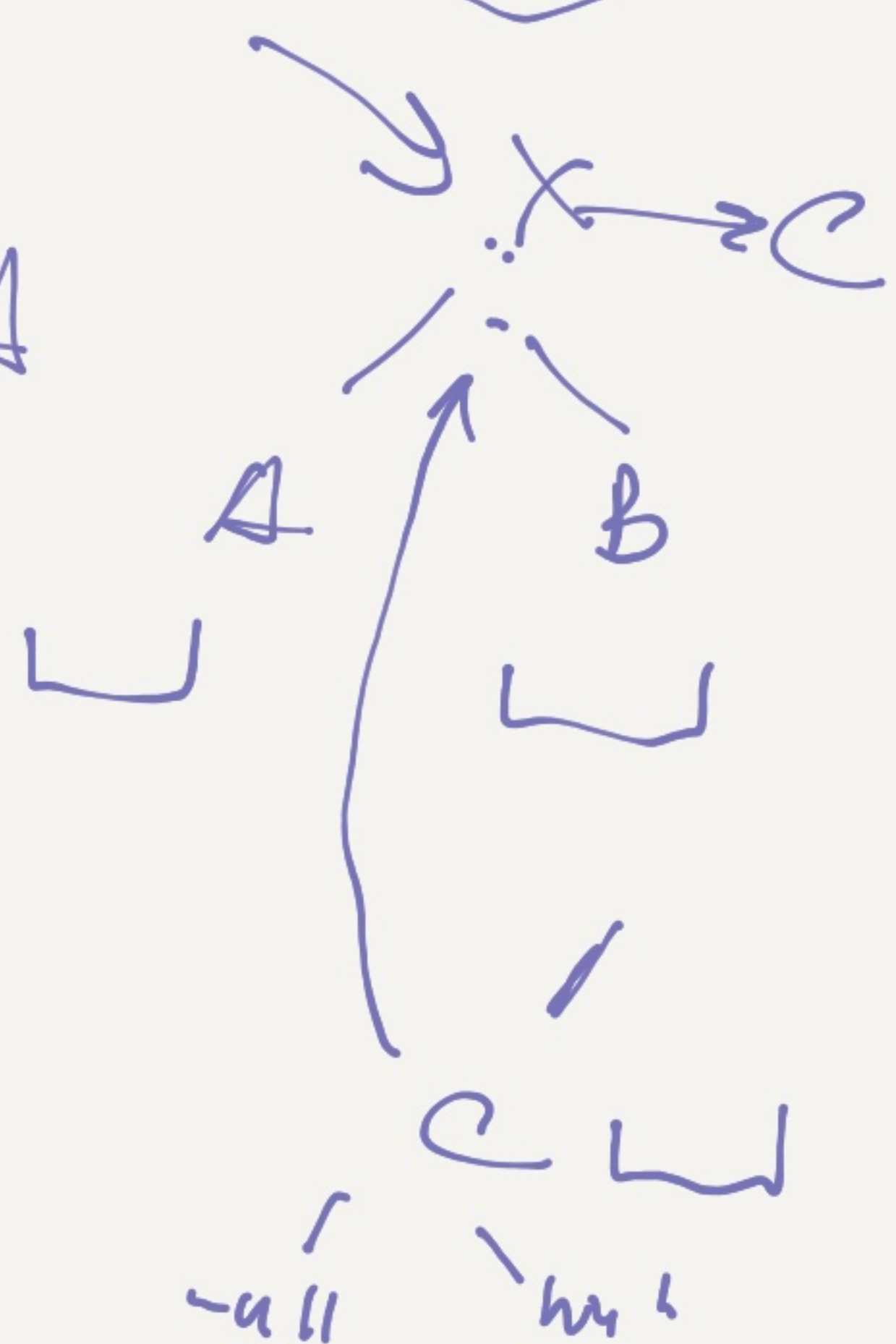
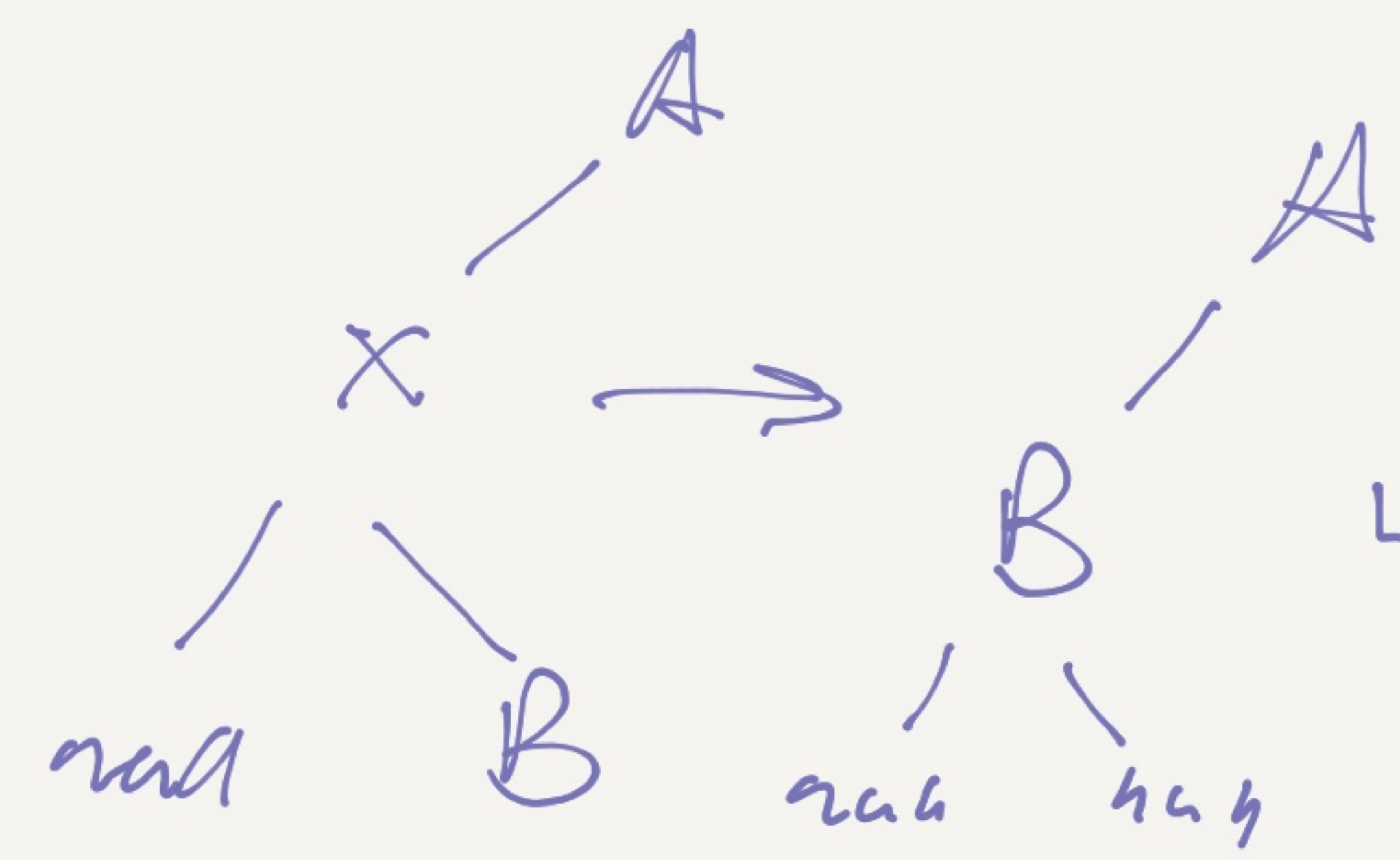
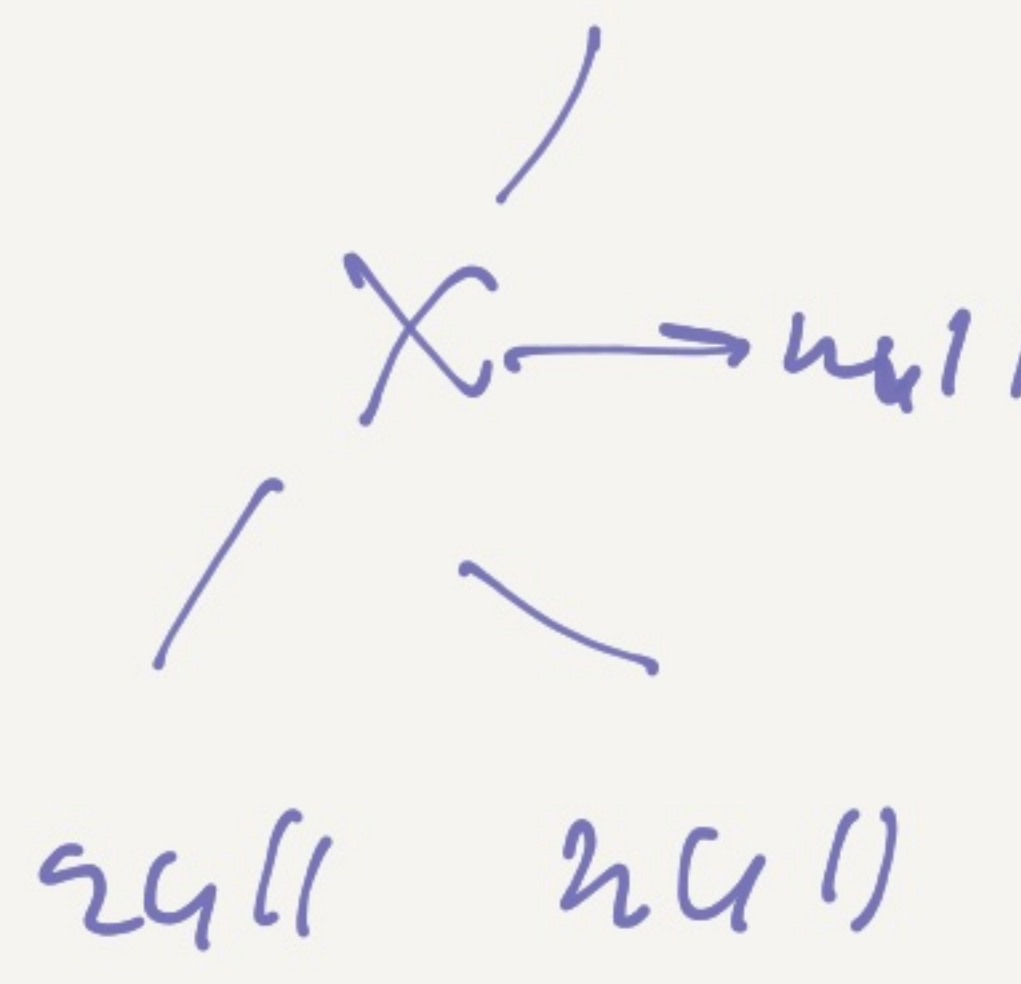
d 00100

h 01000

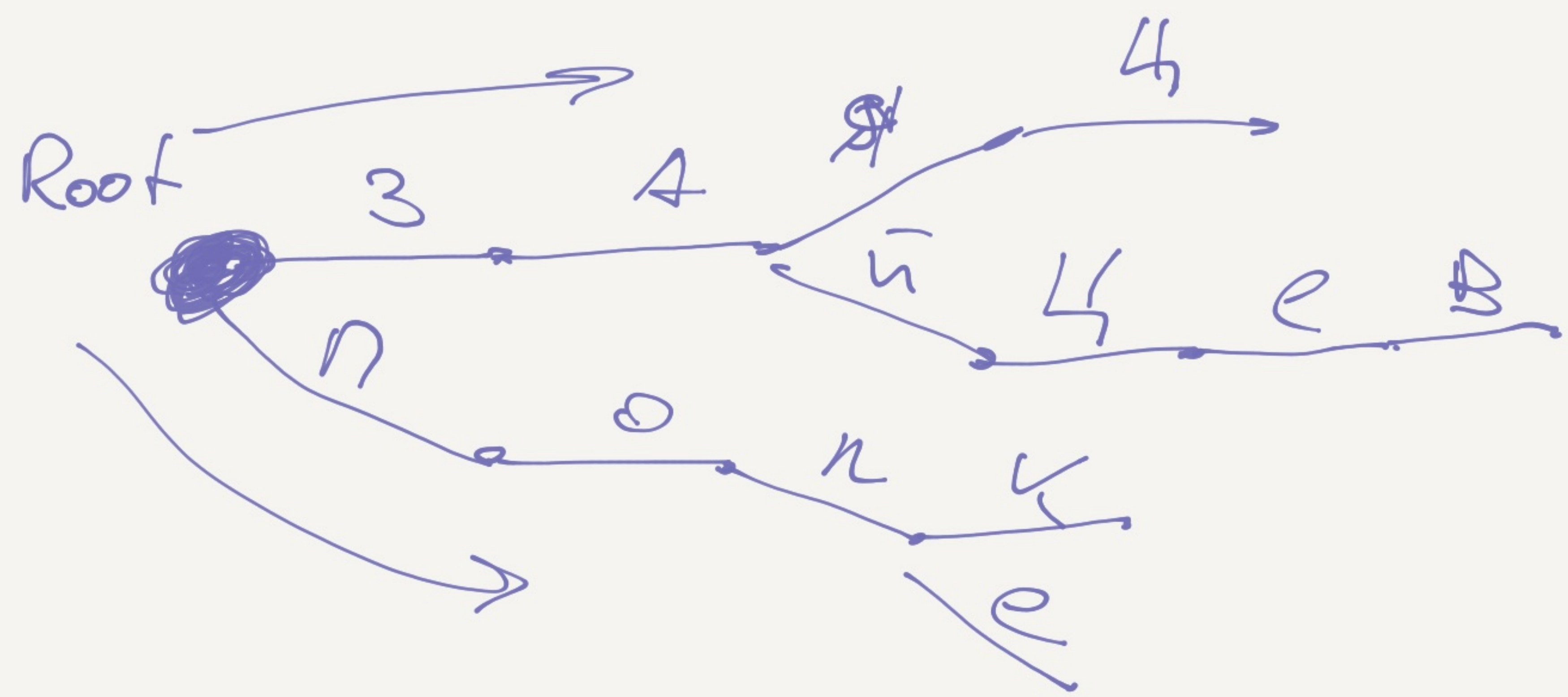
v 10110

g c e c d a h

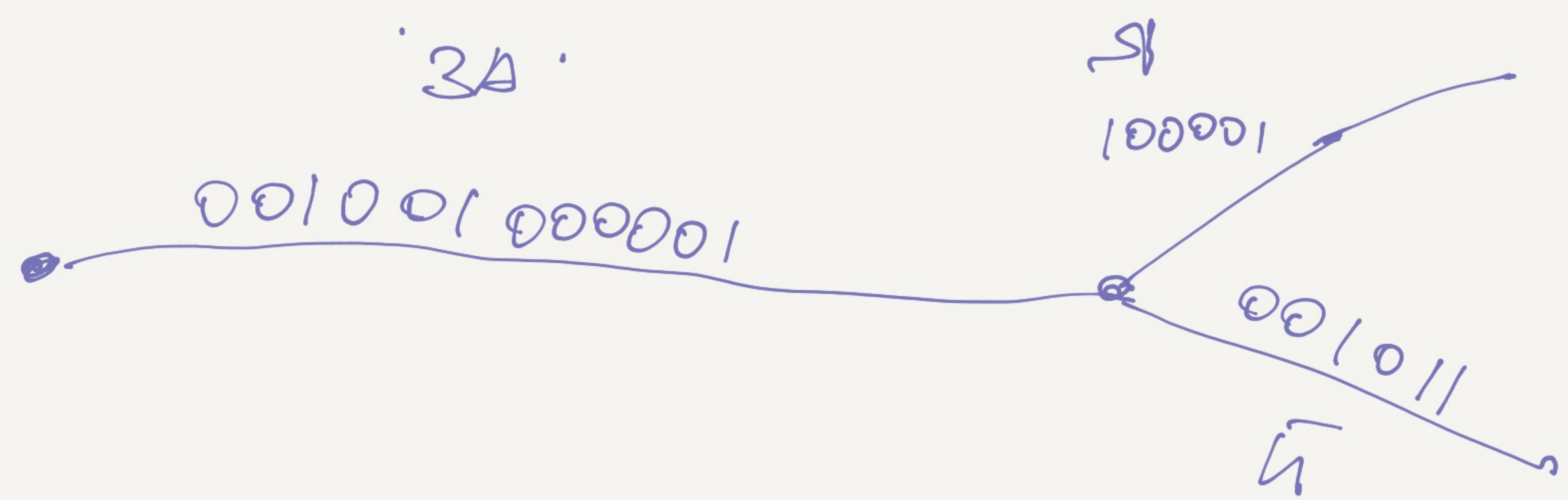
00110001100101







3 : 001001  
 4 : 000001





Practical  
Algorithm  
To  
Retrieve  
Information  
Coded  
In  
Alphanumeric

Morrison  
1968(9)

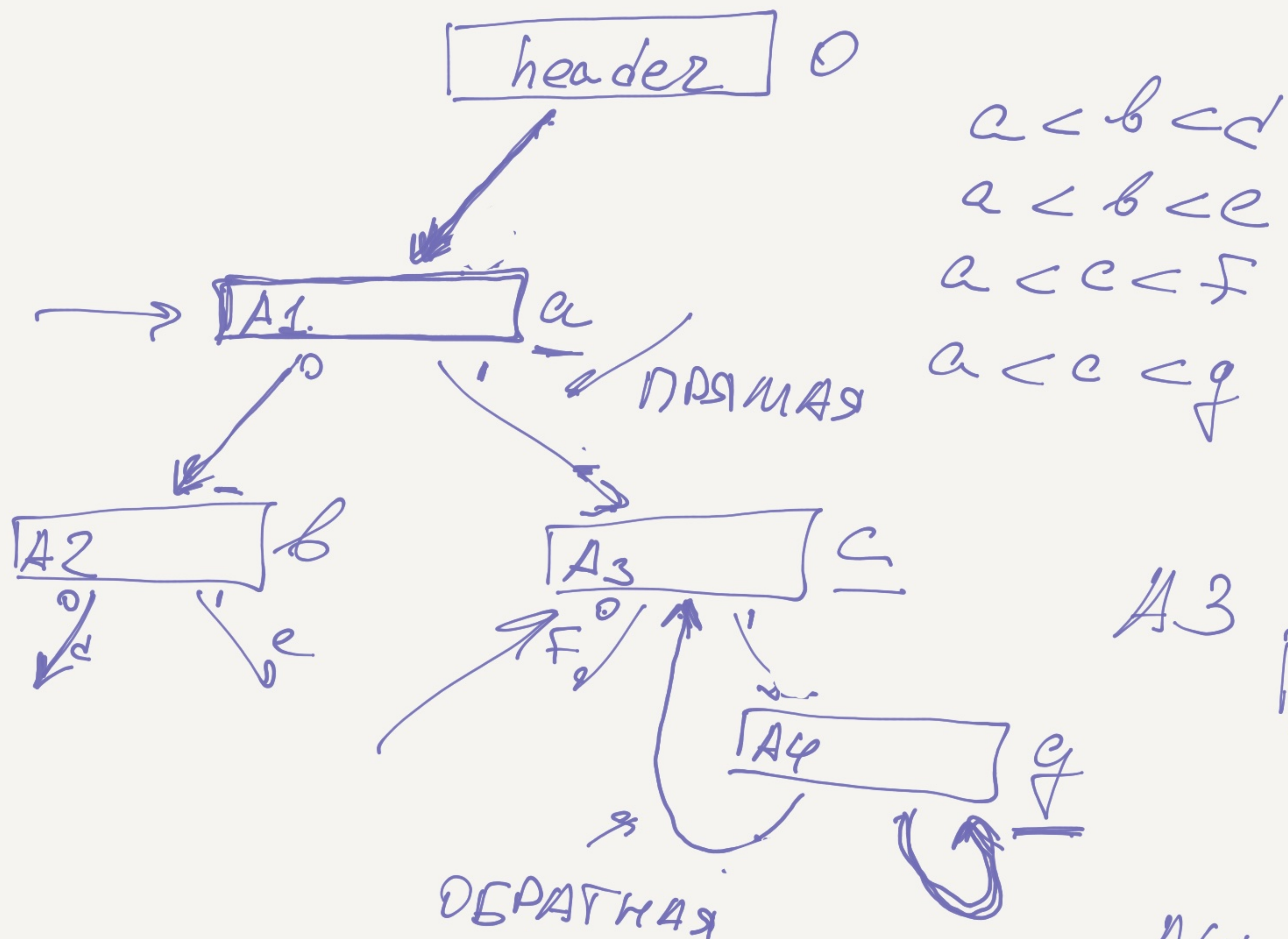
ACH

Mehta, Sahni  
"Handbook of Data Structures  
and Applications"

ABRACADABRA



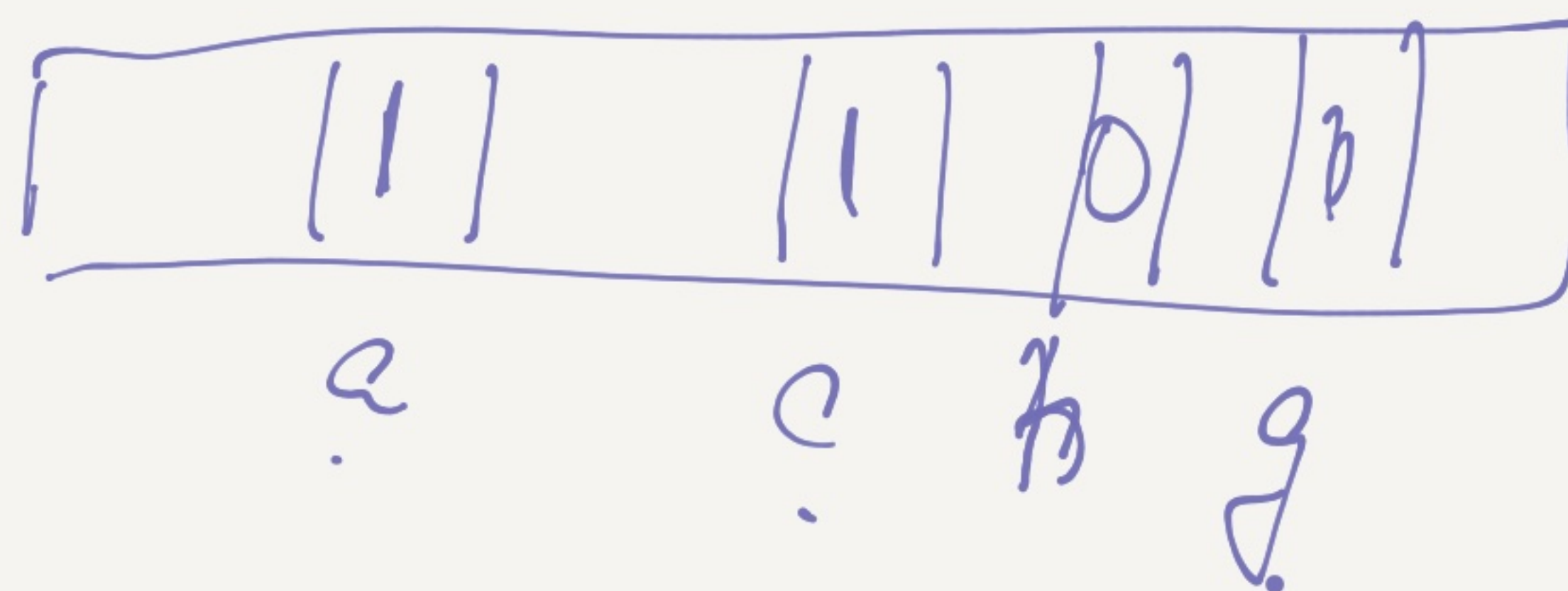




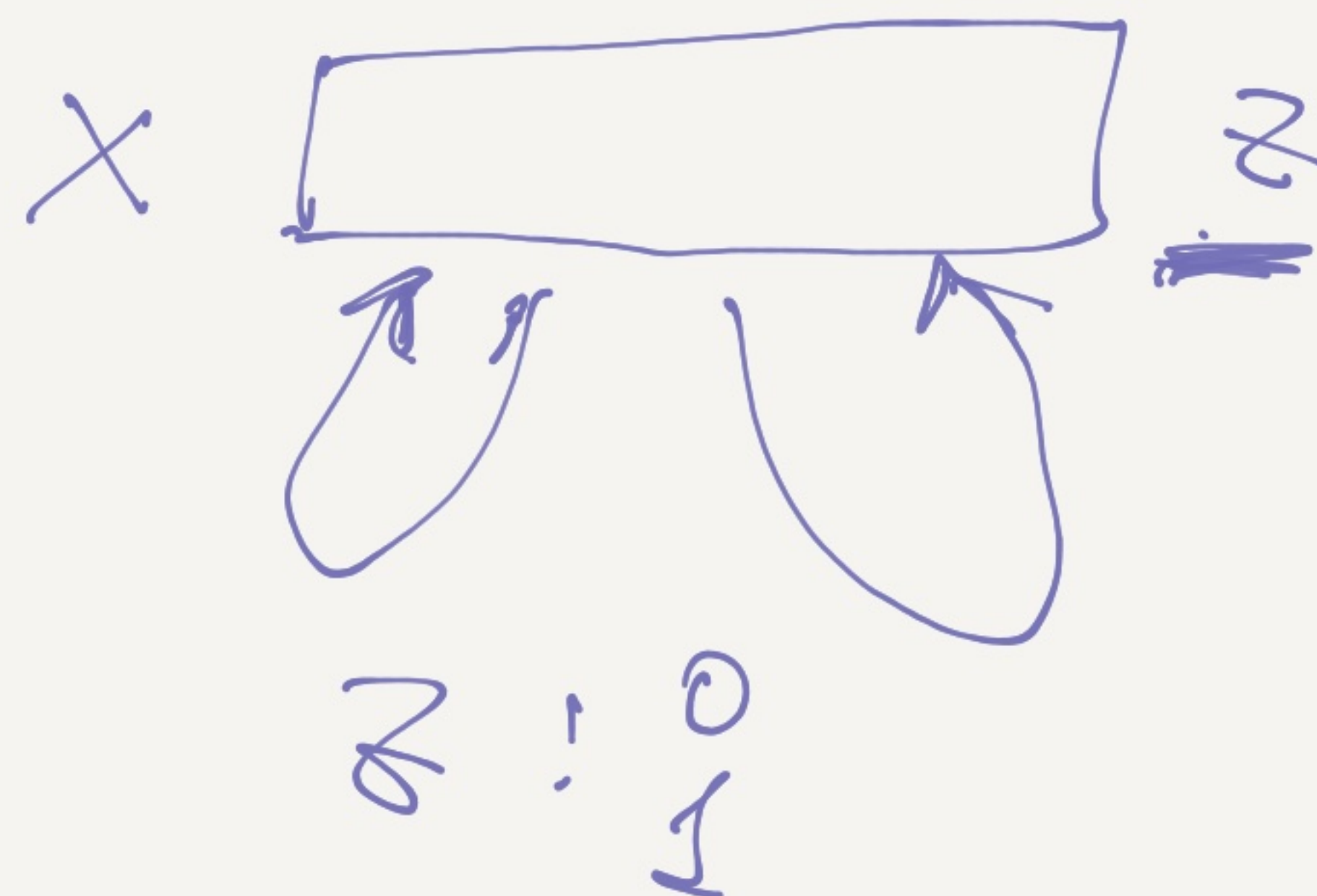
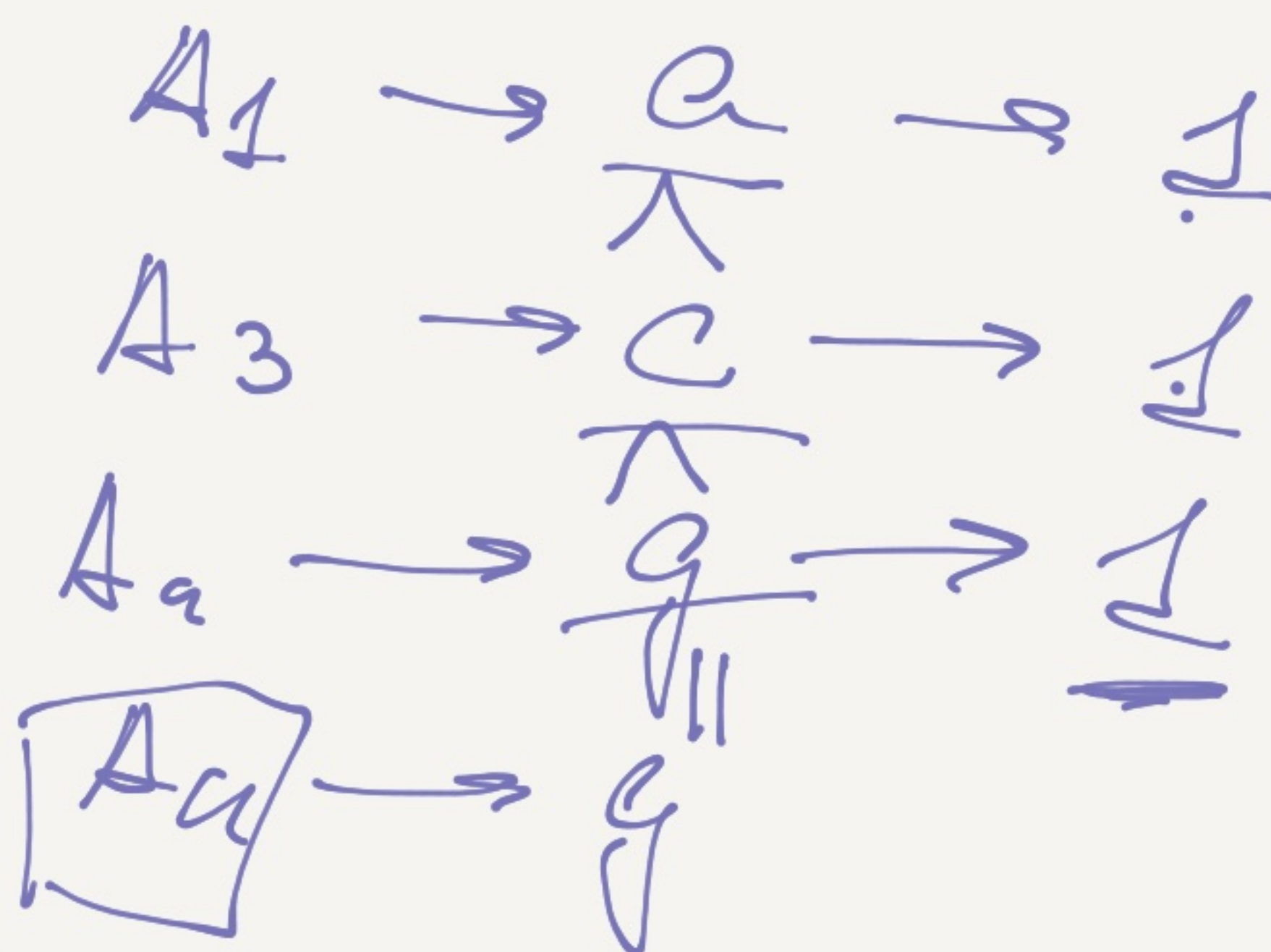
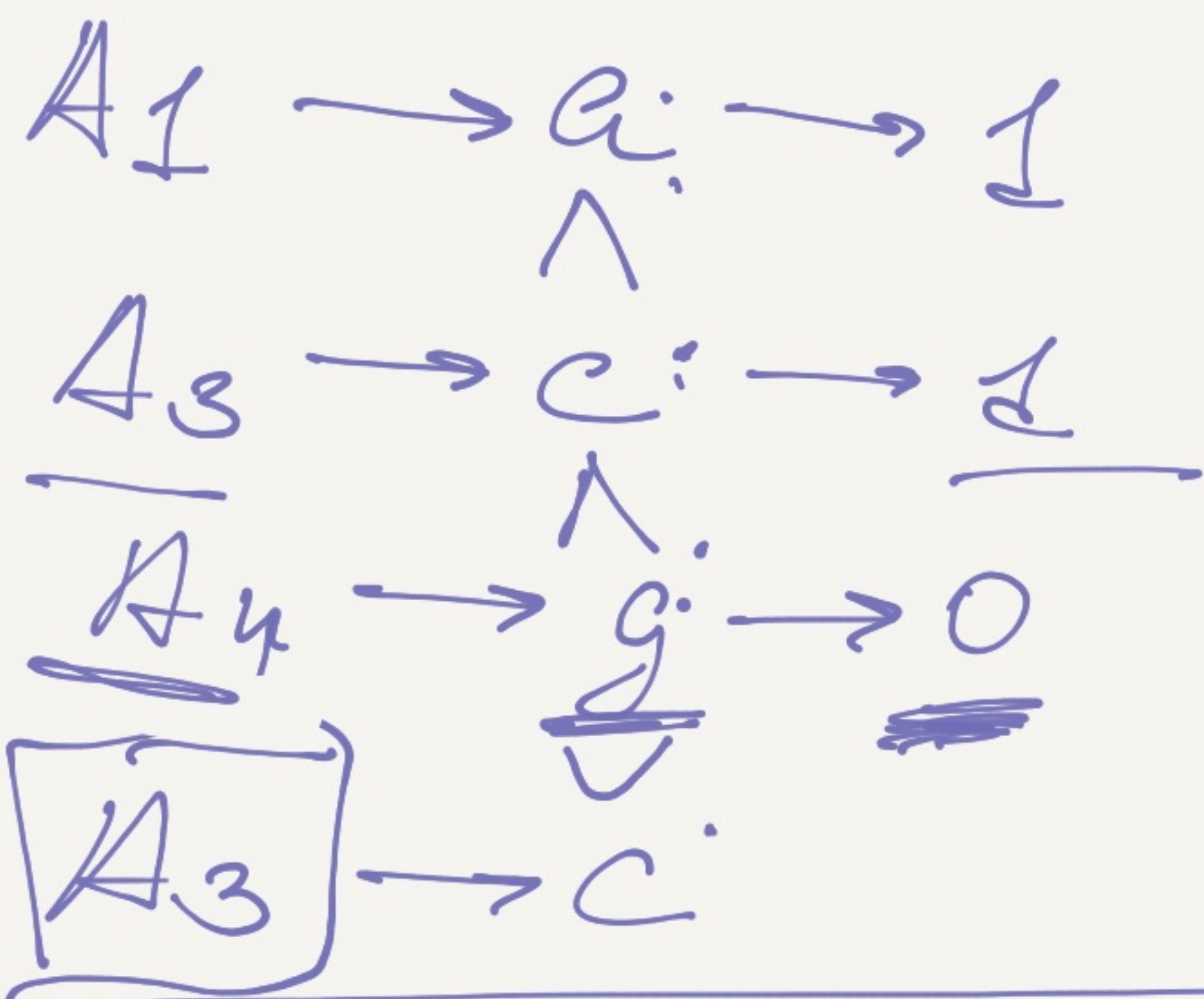
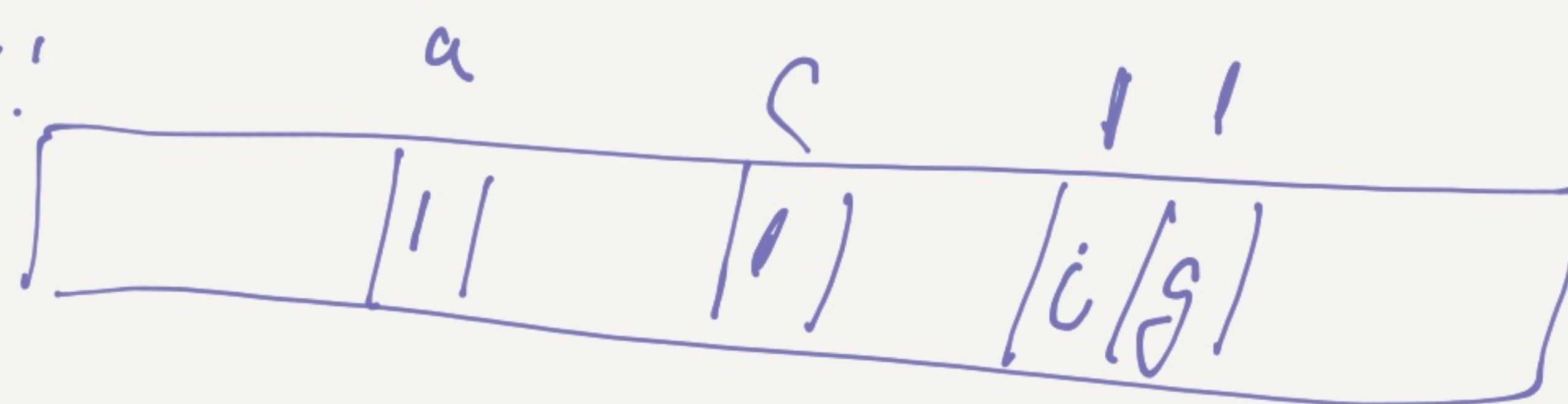
$a < b < d$   
 $a < b < e$   
 $a < c < f$   
 $a < c < g$

$$h \leq g$$

A3

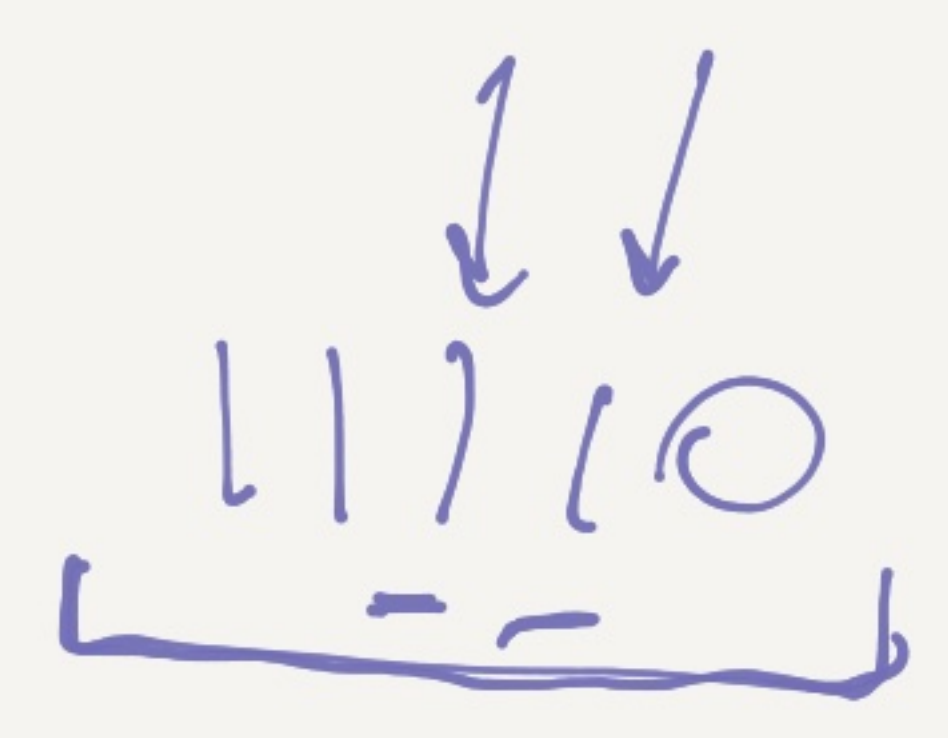
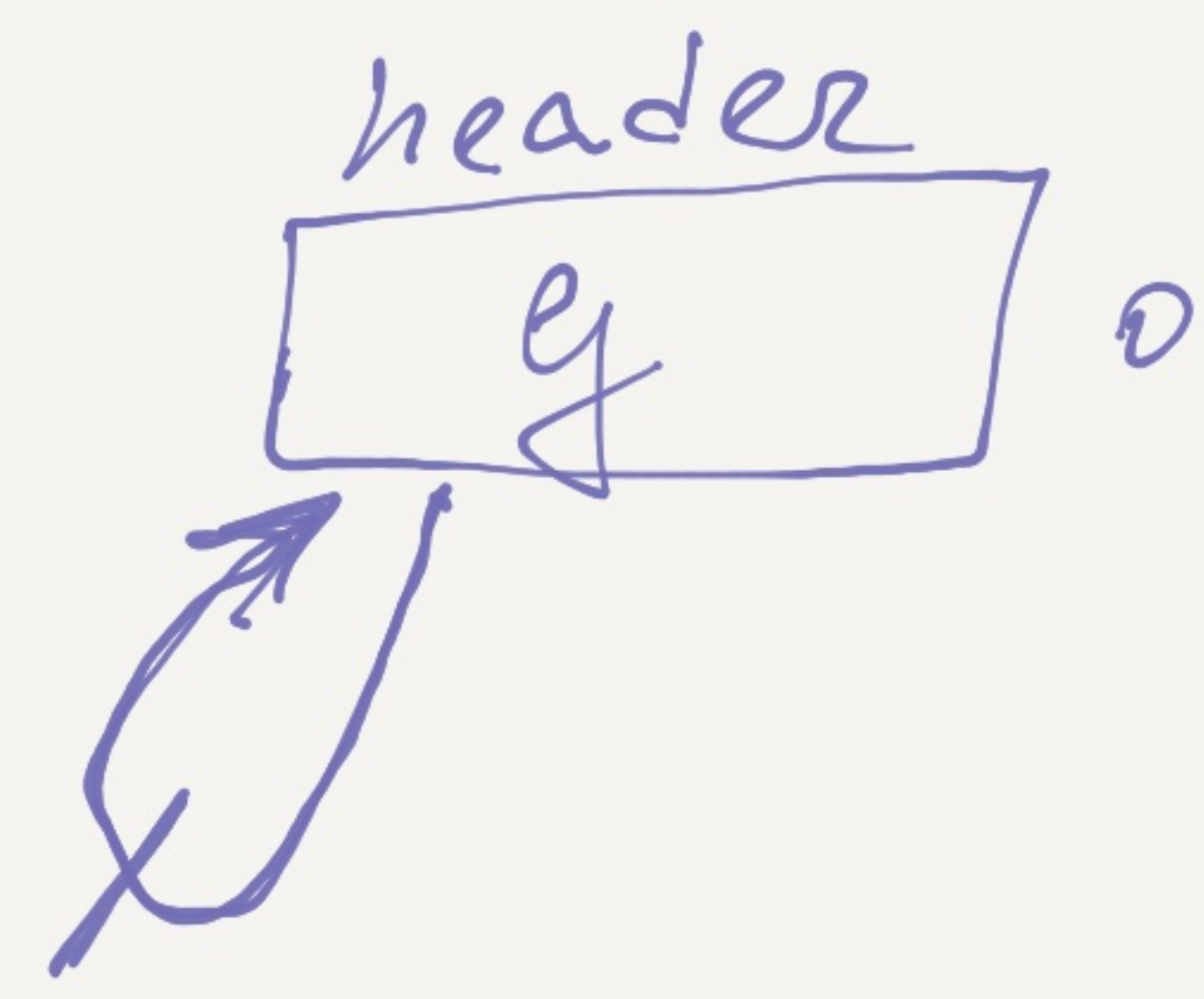


A4:

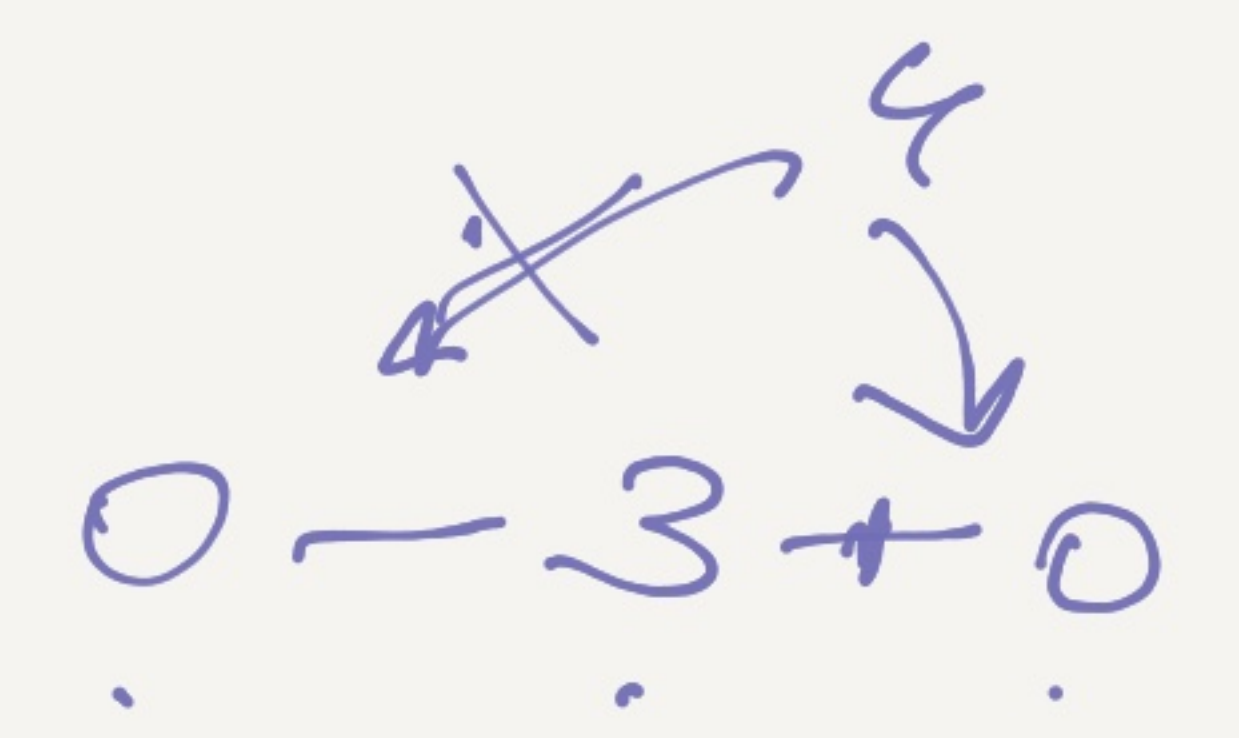
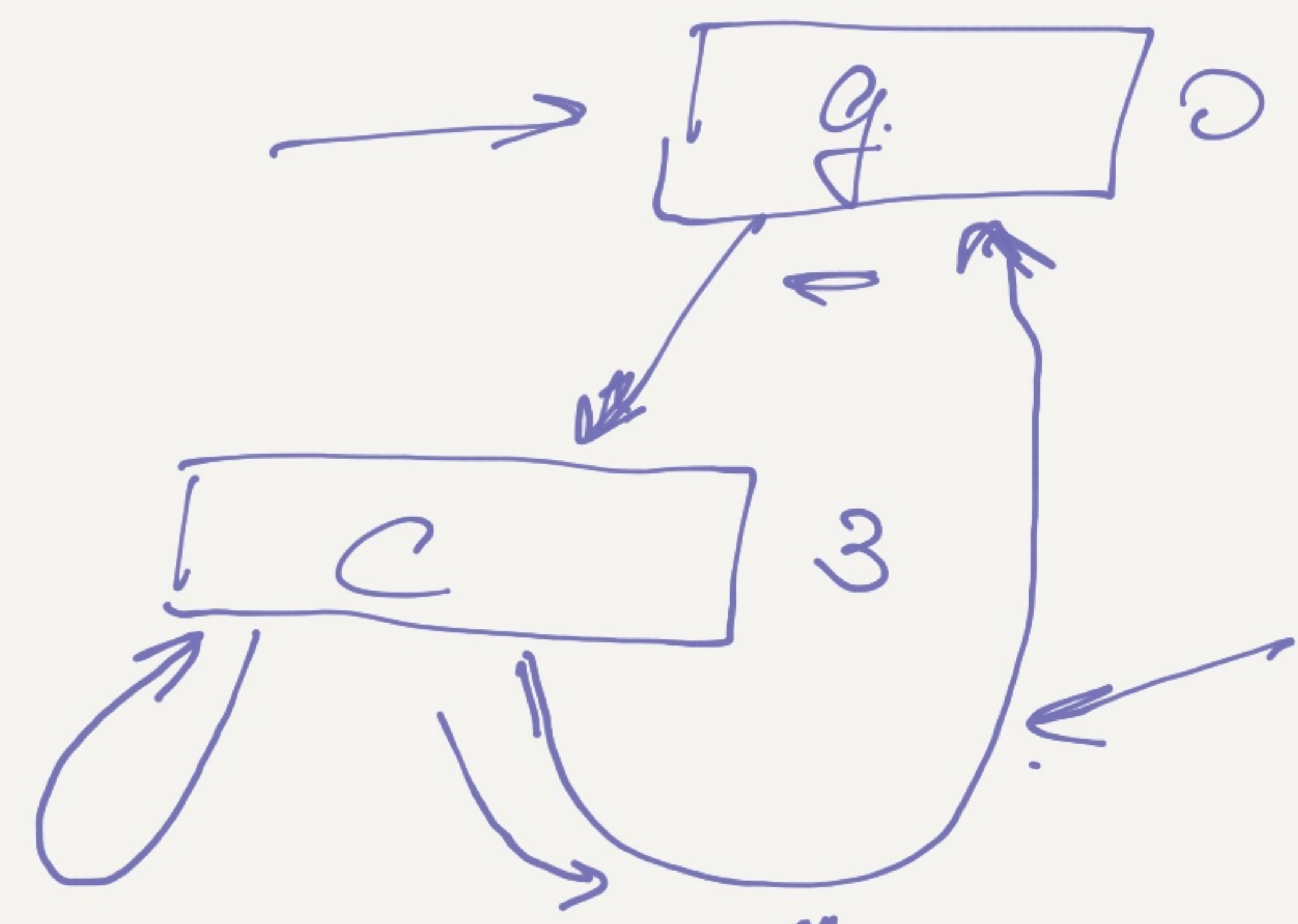




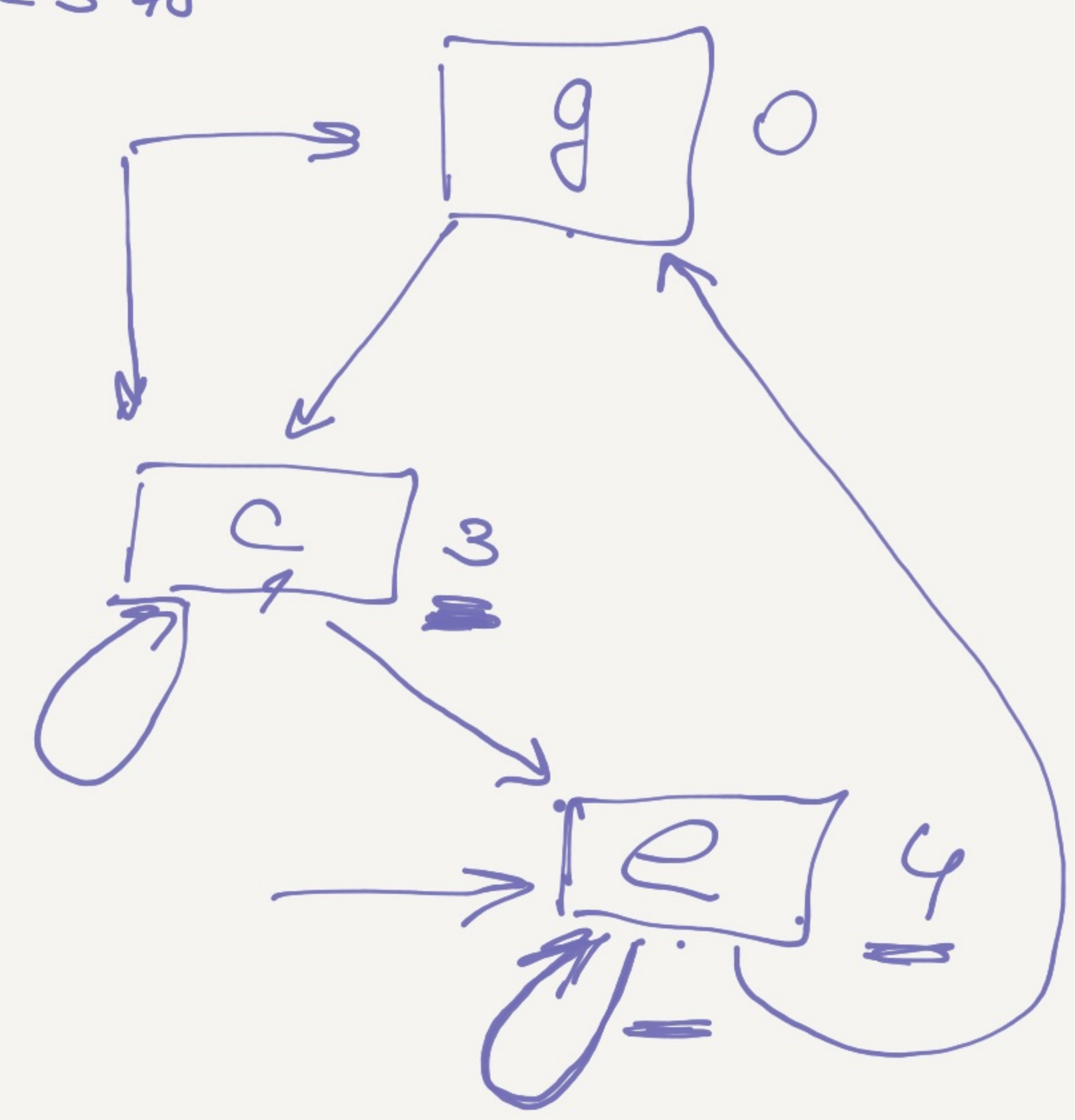
↓  
 g 00111  
 c 00011  
 e 00101 ←  
 d 000100  
 a 000001  
 h 01000  
 v 10110



0+0



0 1 2 3 4 5

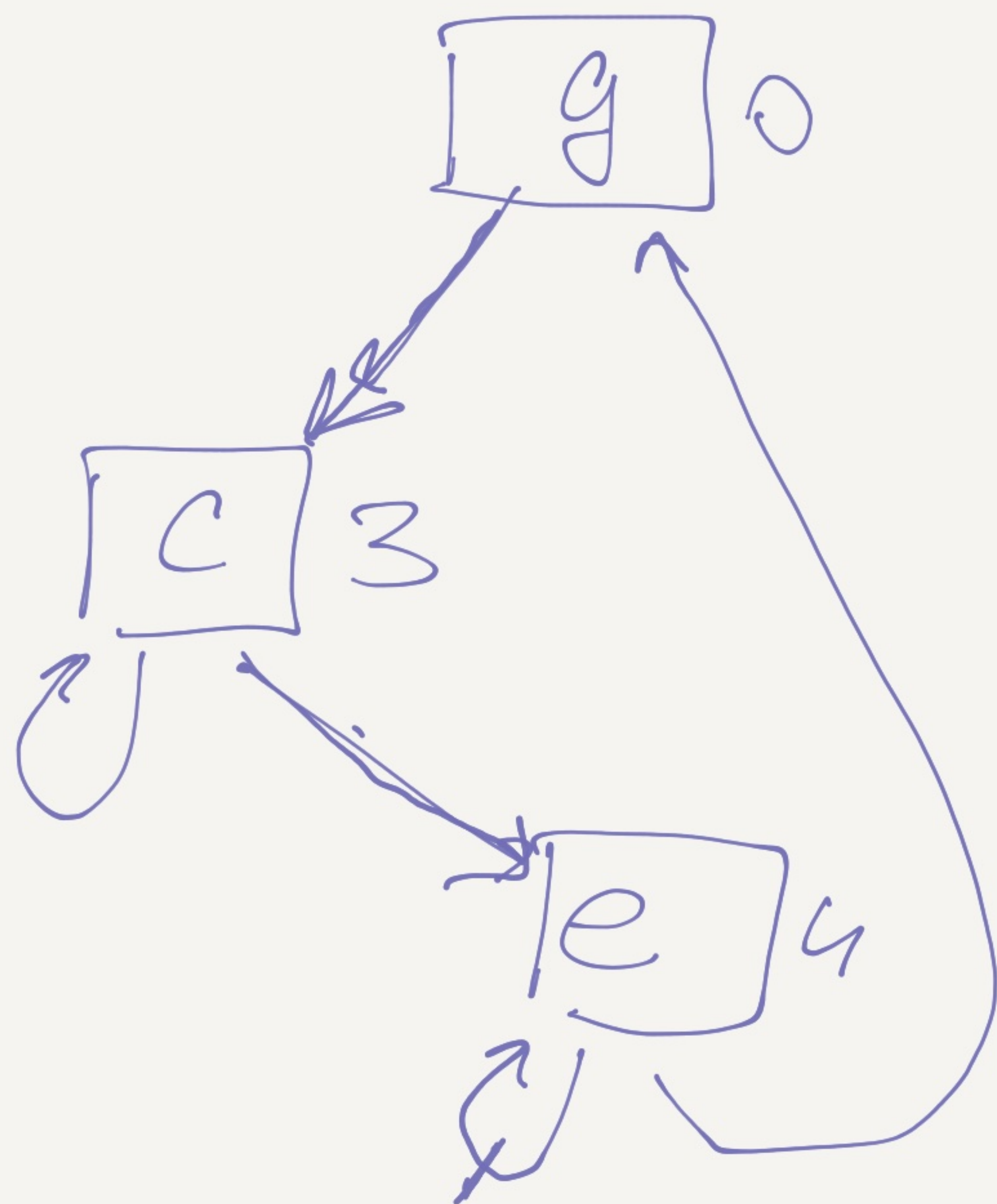


g: 00111  
 e: 00101  
 0-3-4-0

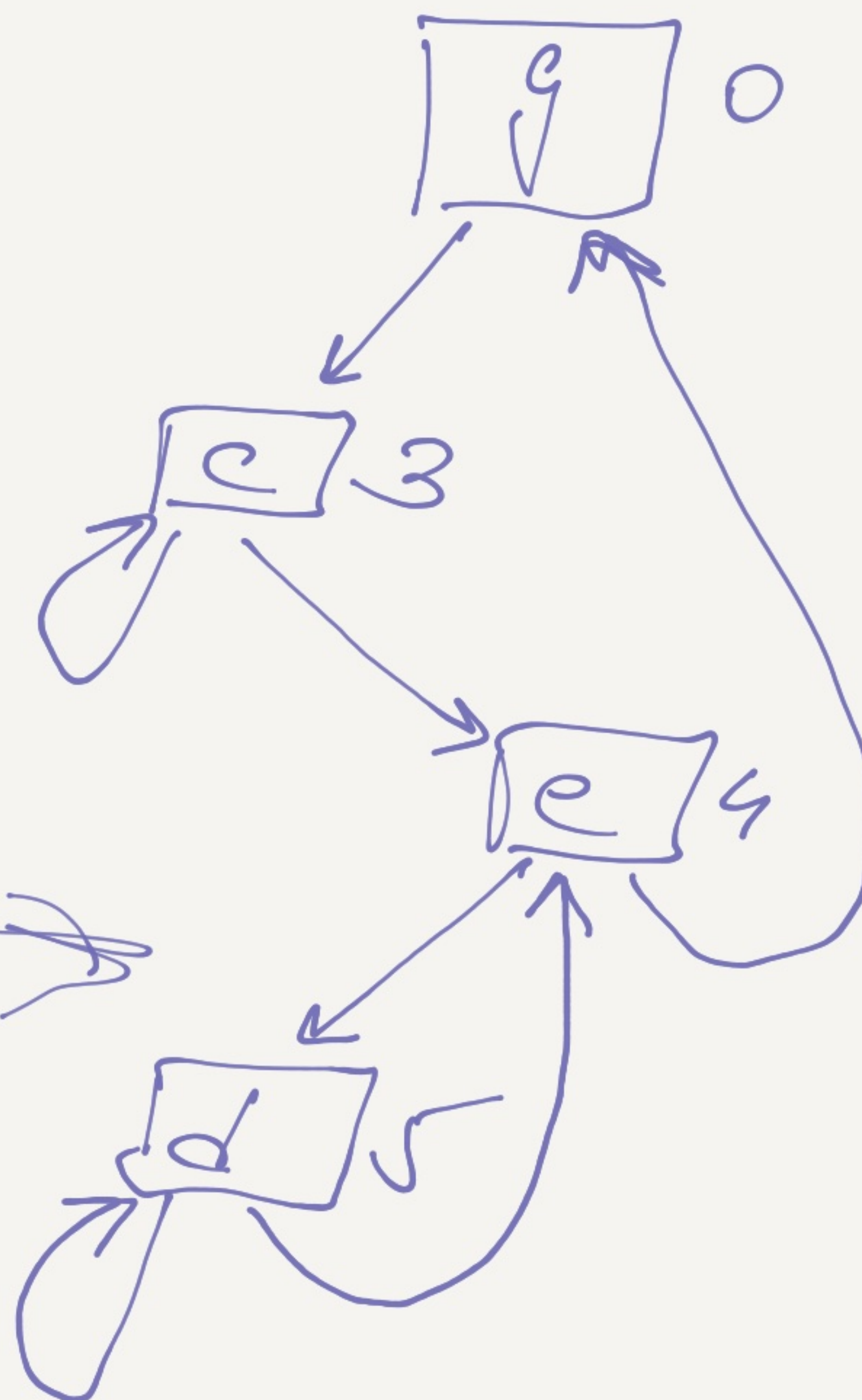
0-3-4-4  
 < < =

0-3-4-0  
 < < >





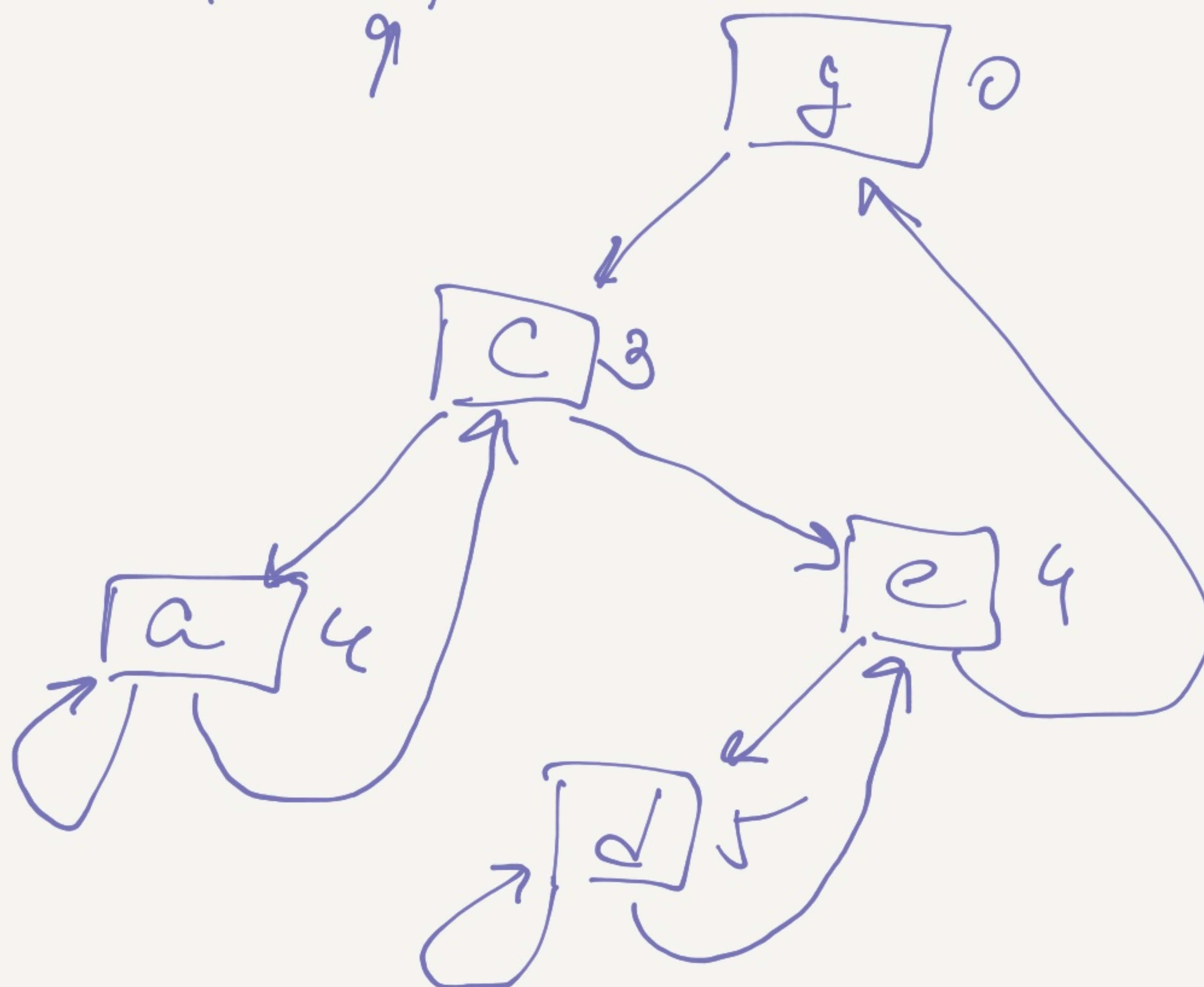
$d: 00100$   
 $\underline{\quad} \quad \underline{\quad}$   
 $0-3-4-4$   
 $\underline{\quad}$   
 $g < c < e = e$   
 $\underline{\quad}$   
 $00101$   
 $g$   
 $5$



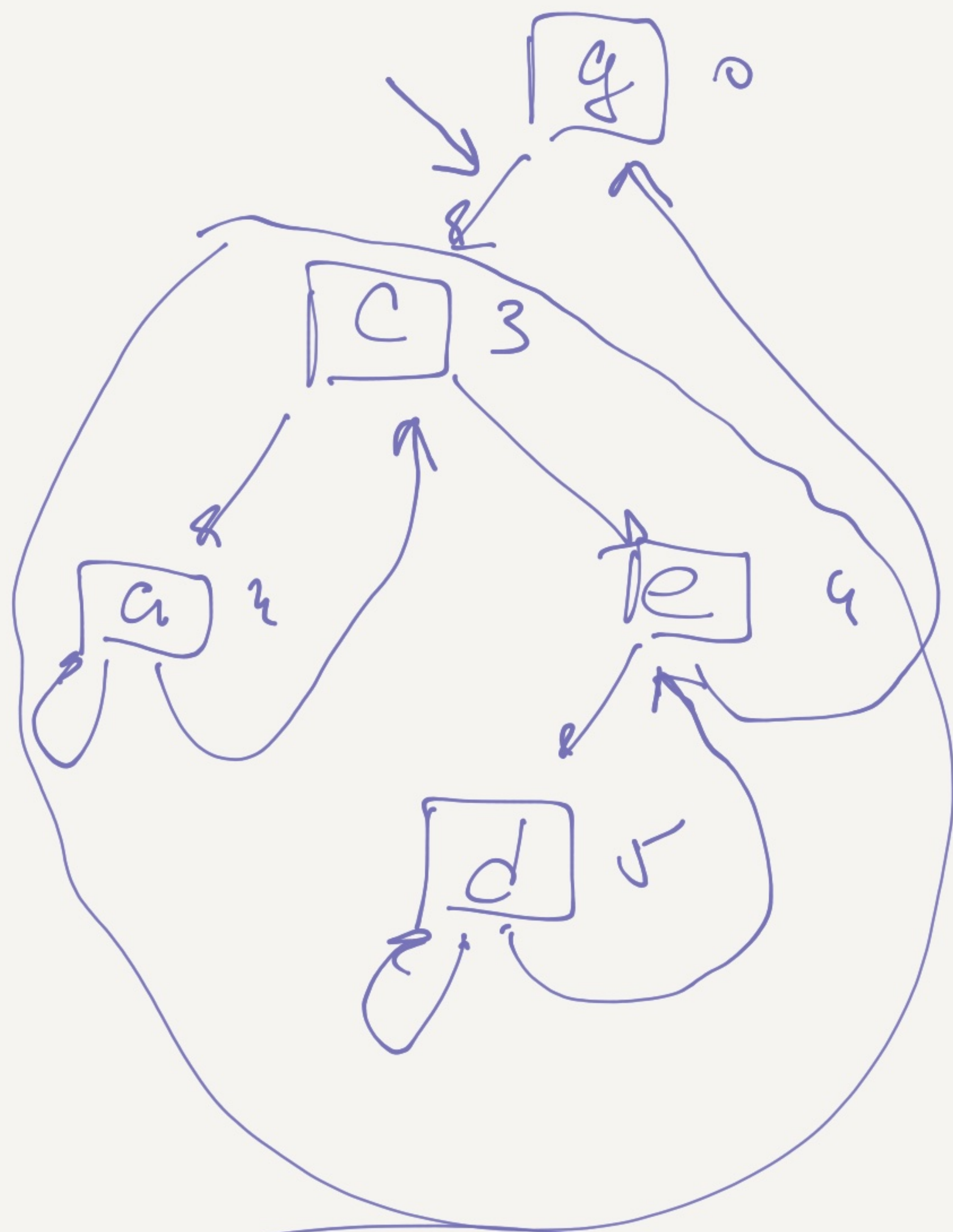
$a: 0000\underline{1}$

$g \rightarrow c \rightarrow c$   
 $0 < 3 = 3$   
 $\underline{\quad}$   
 $g$   
 $4$

$c: 0001\underline{1}$   
 $g$







V: 10110

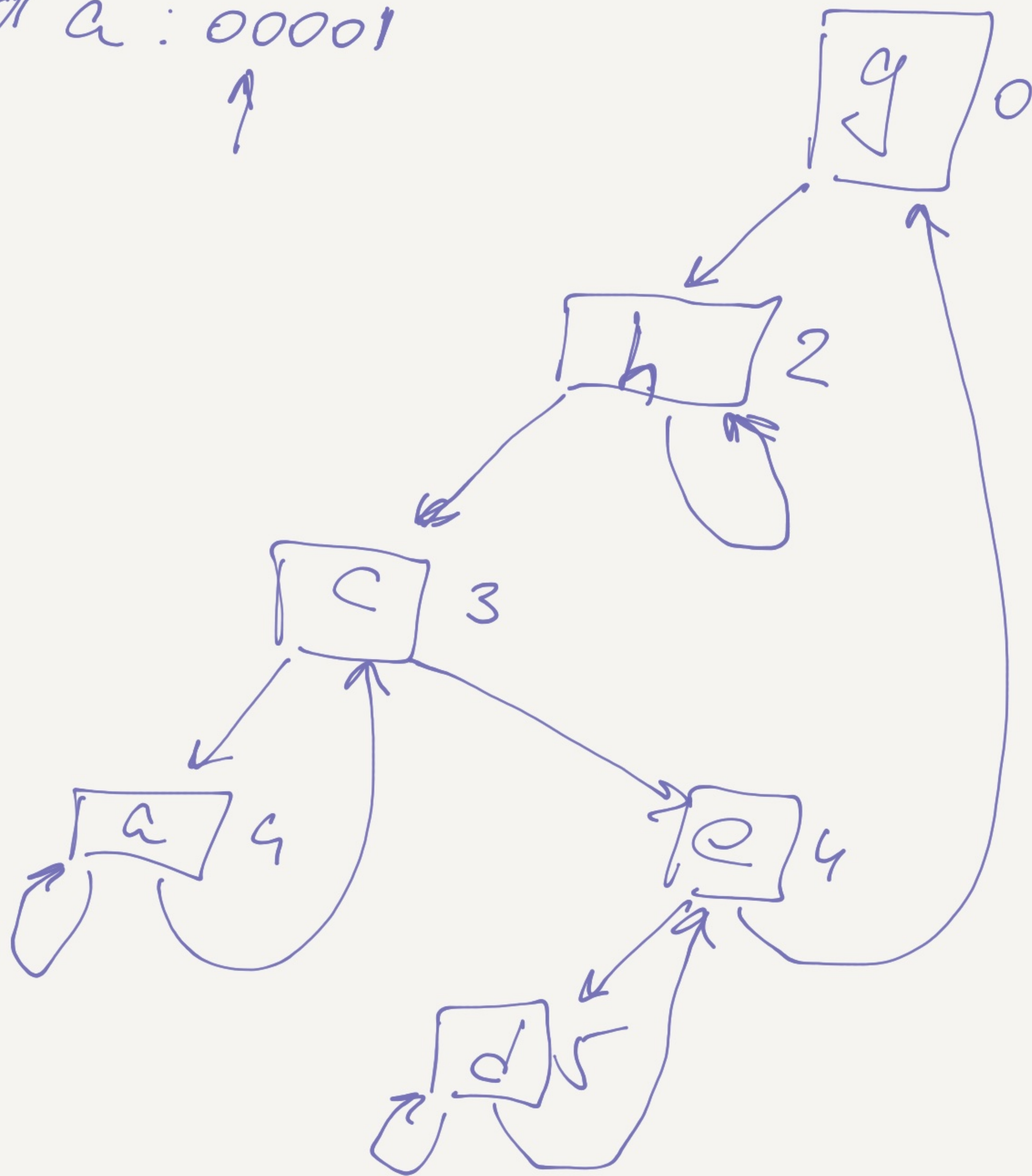
g → h → c → e → g  
 0 < 2 < 3 < 4 > 0  
 ↑  
 1

h: 01000

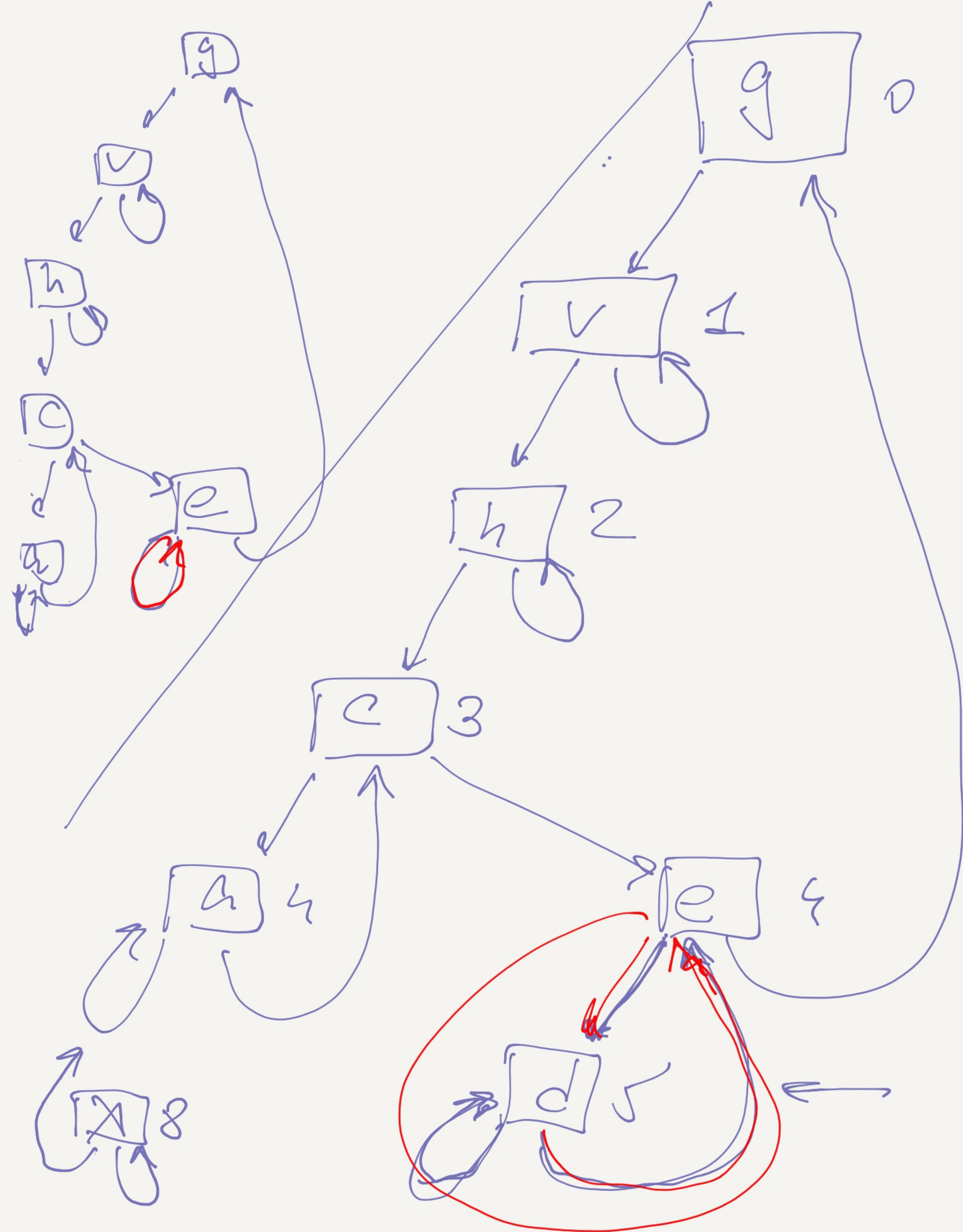
g: 00111

g → c → a → a  
 0 < 3 < 4 = 4

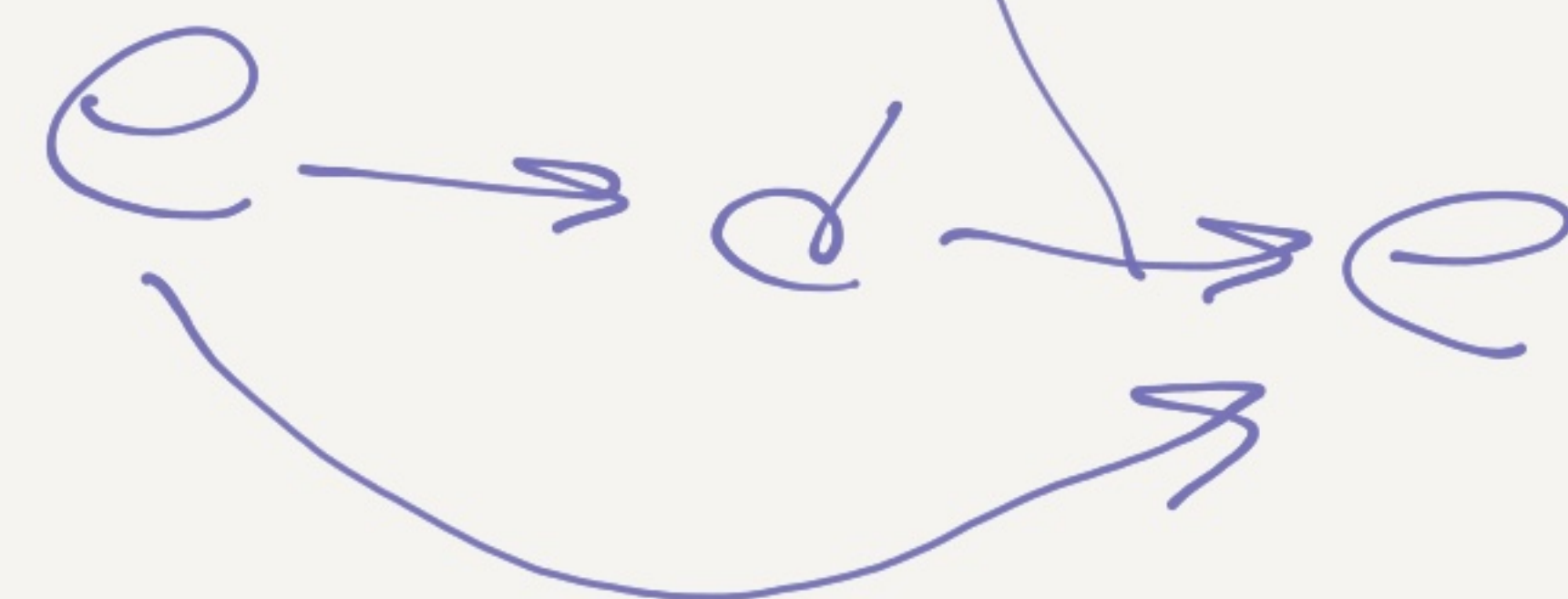
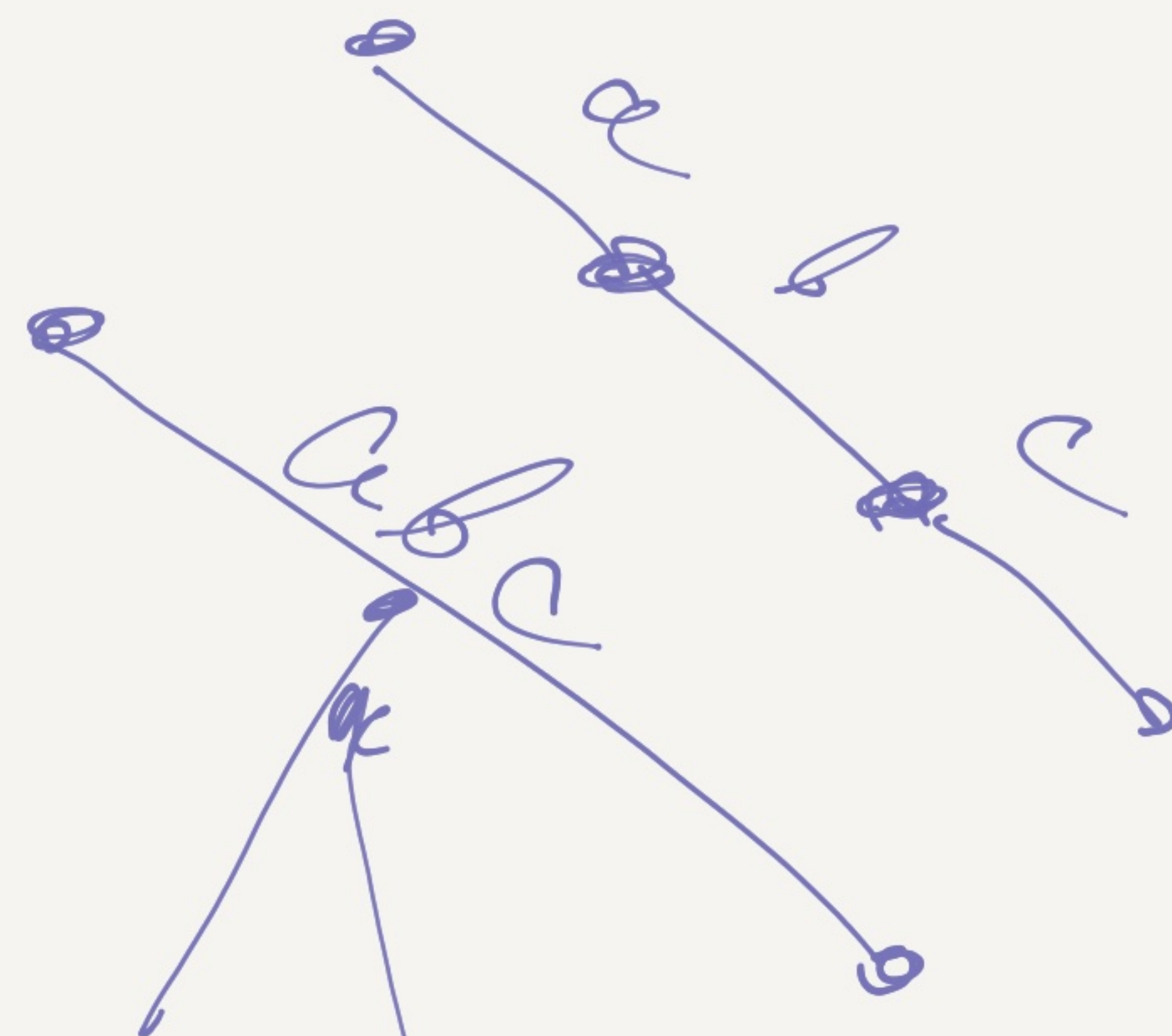
2 → a: 00001  
 ↑



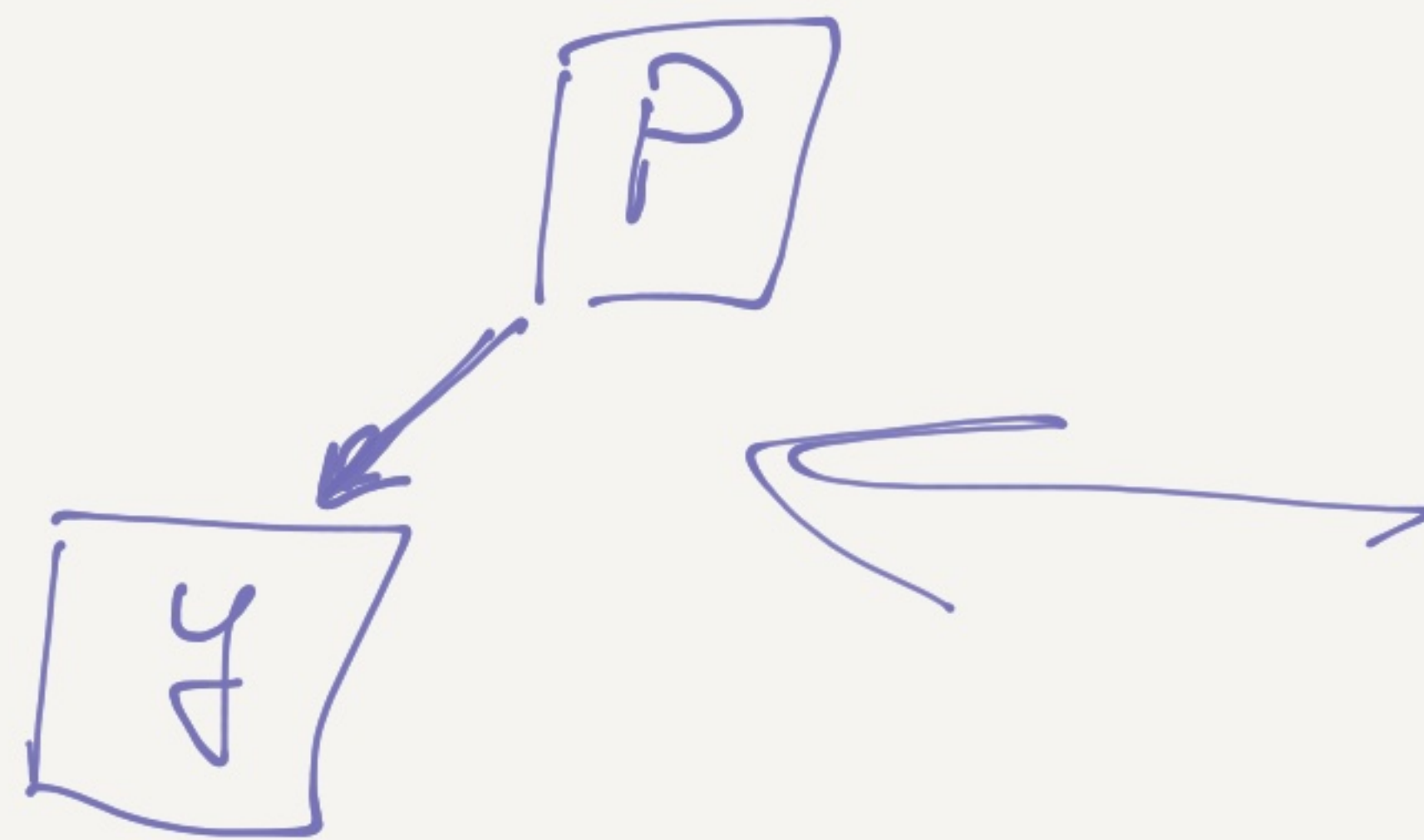
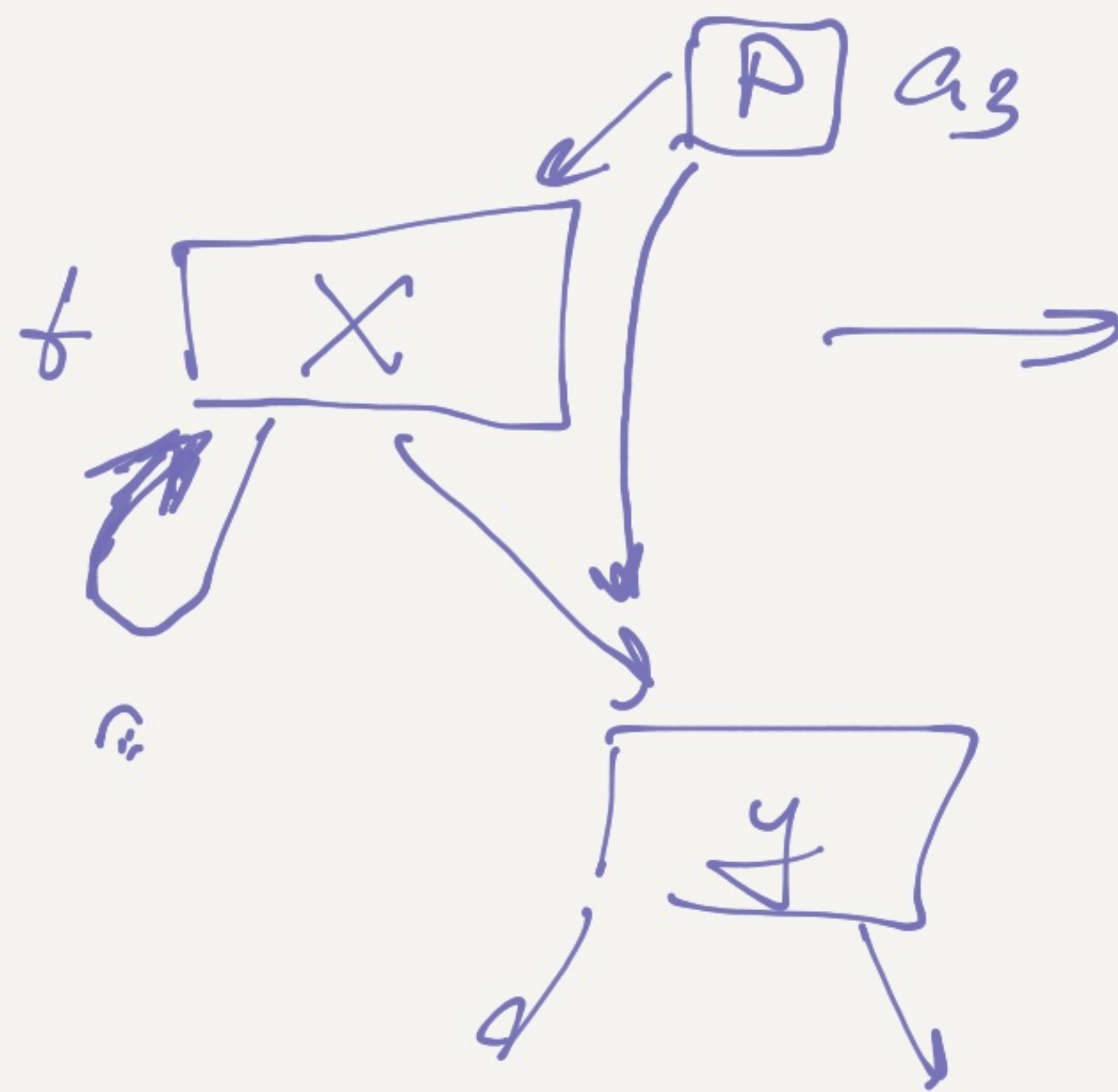
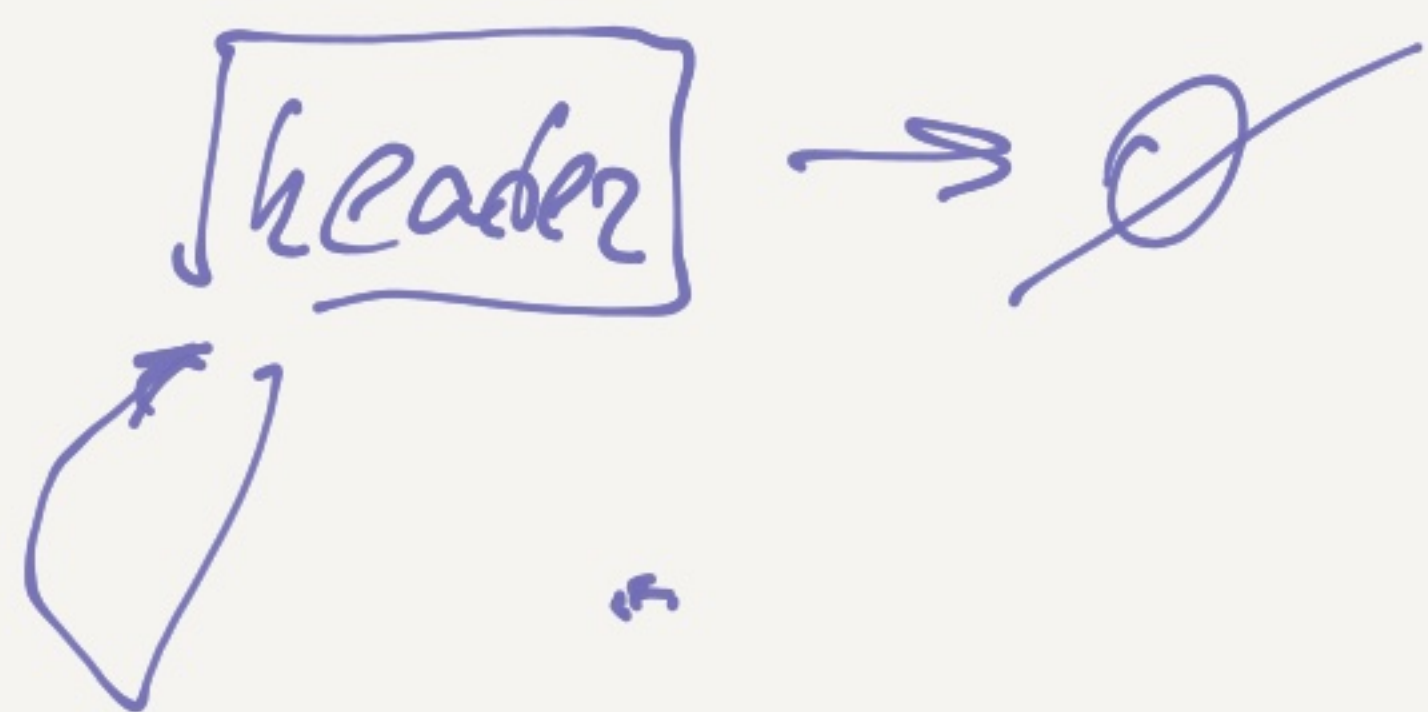




$X \cdot 00001001$   
 $00001000^8$







$a_1, a_2, a_3, t$   
 $\dots, \emptyset$

