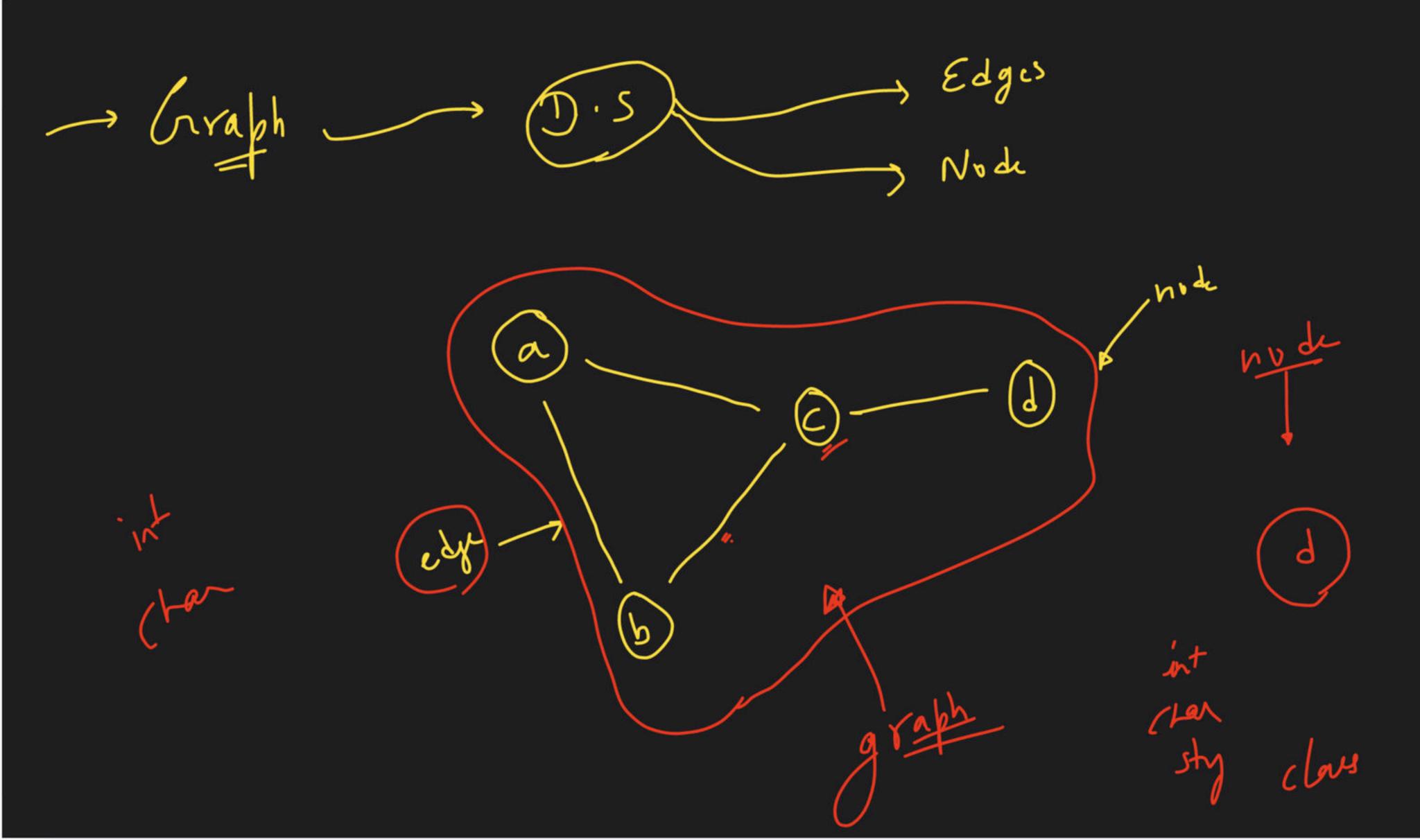
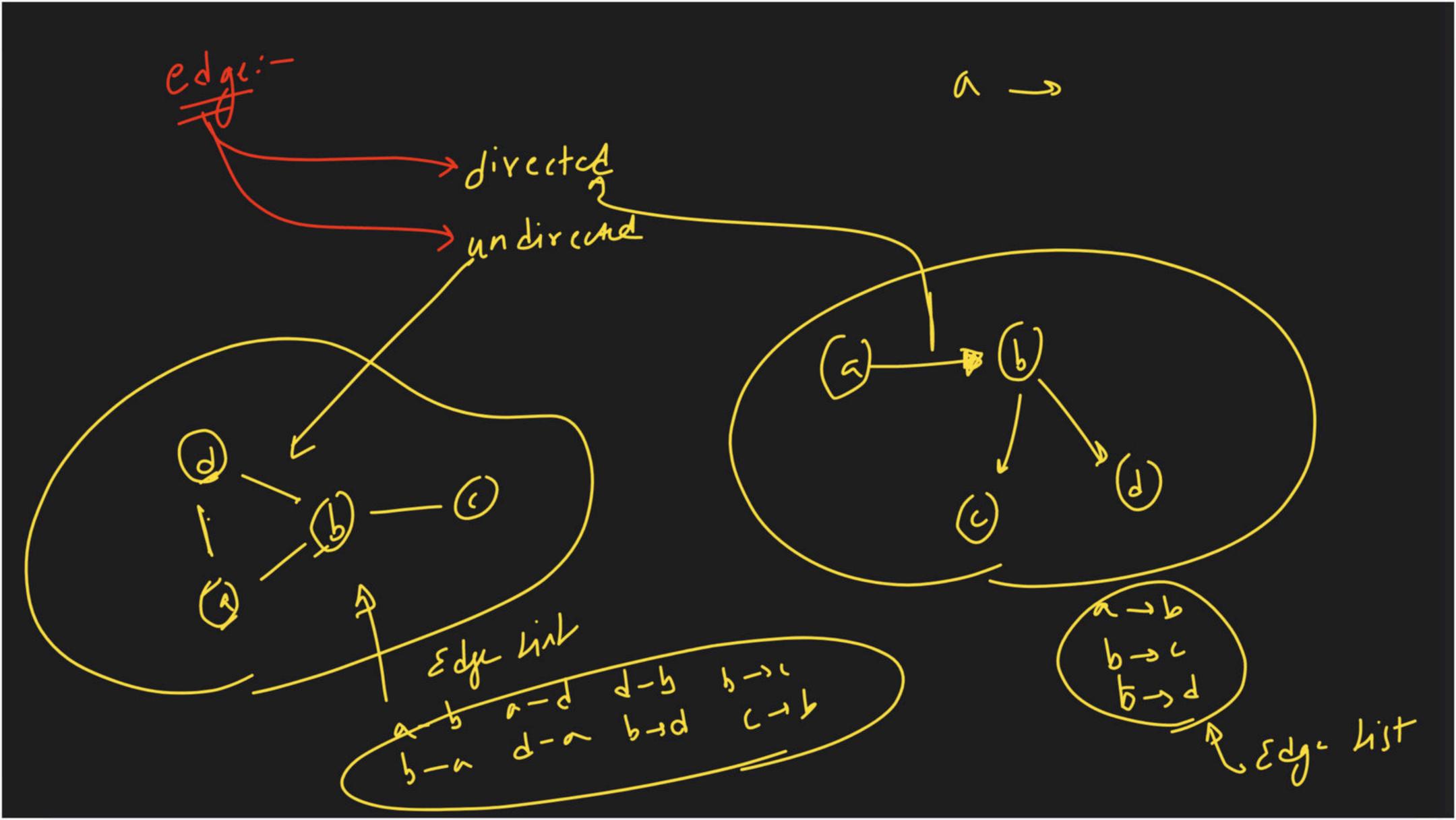


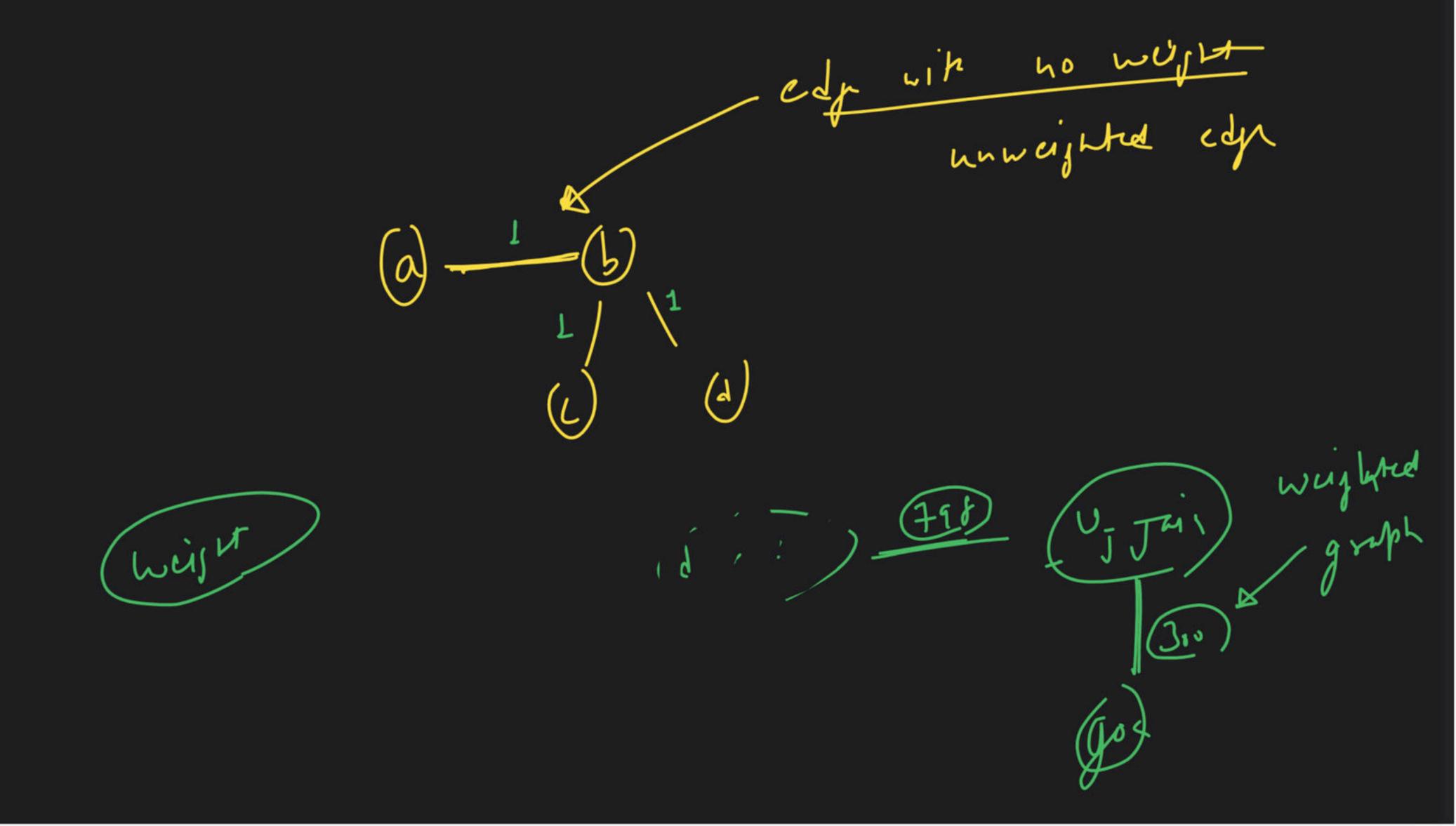
Special class



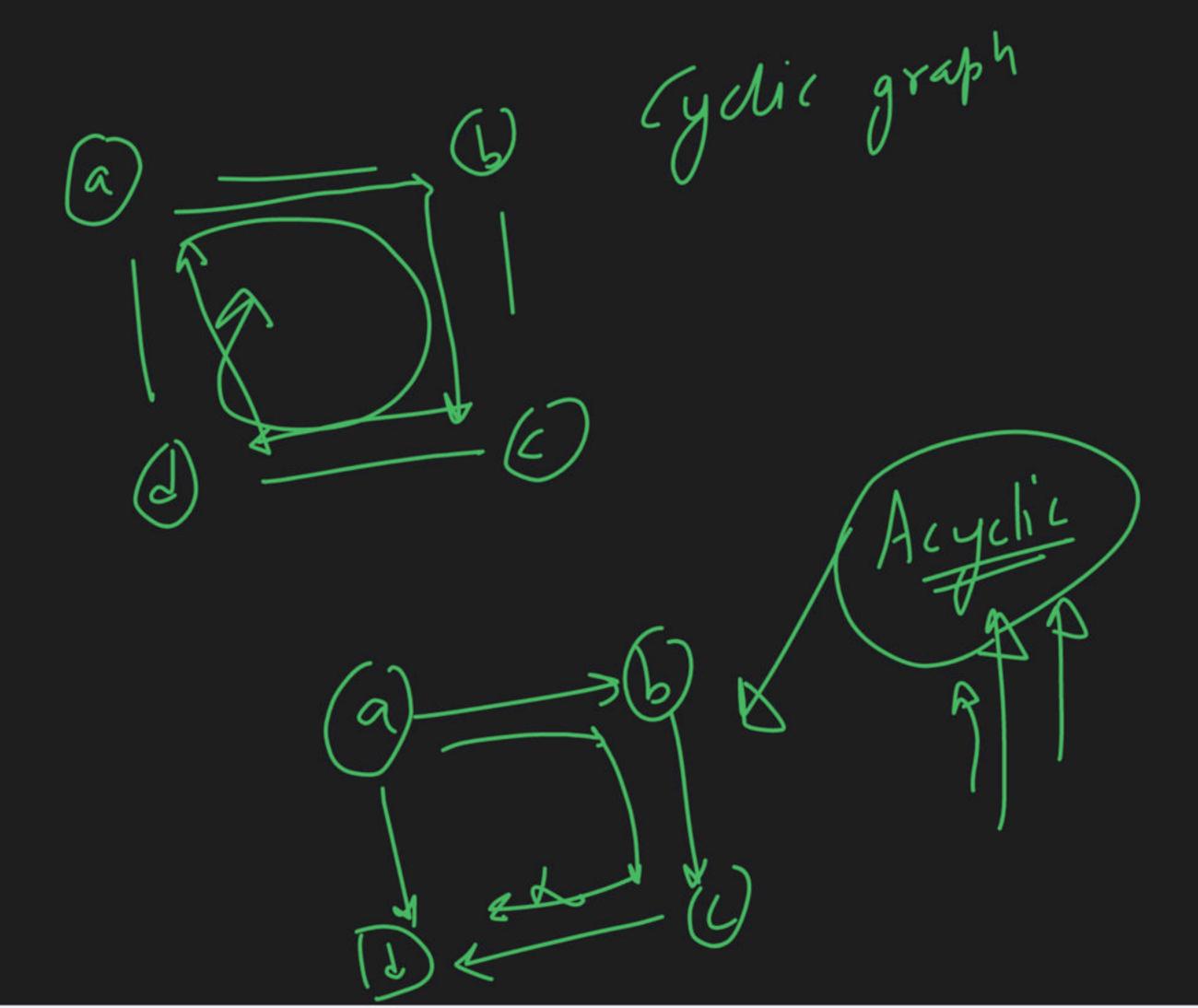


undireche (or rut into directed

Prontticel applications) Is google mep Jawbook nap



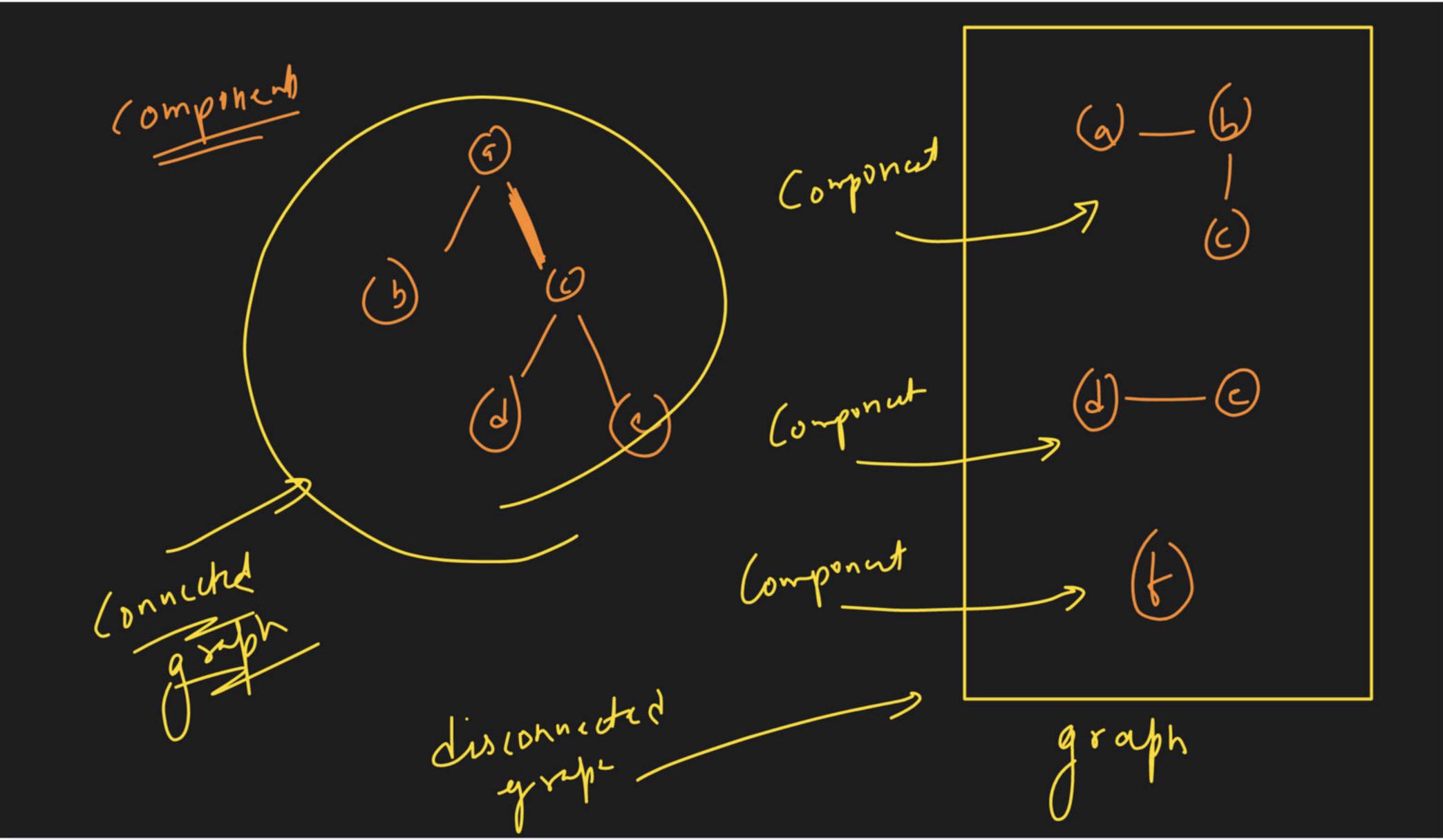
s (cyclus)

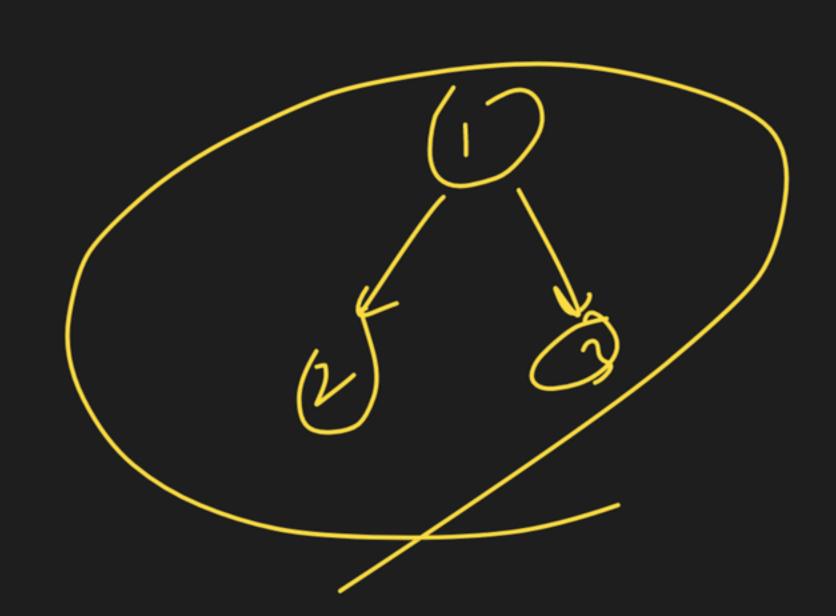


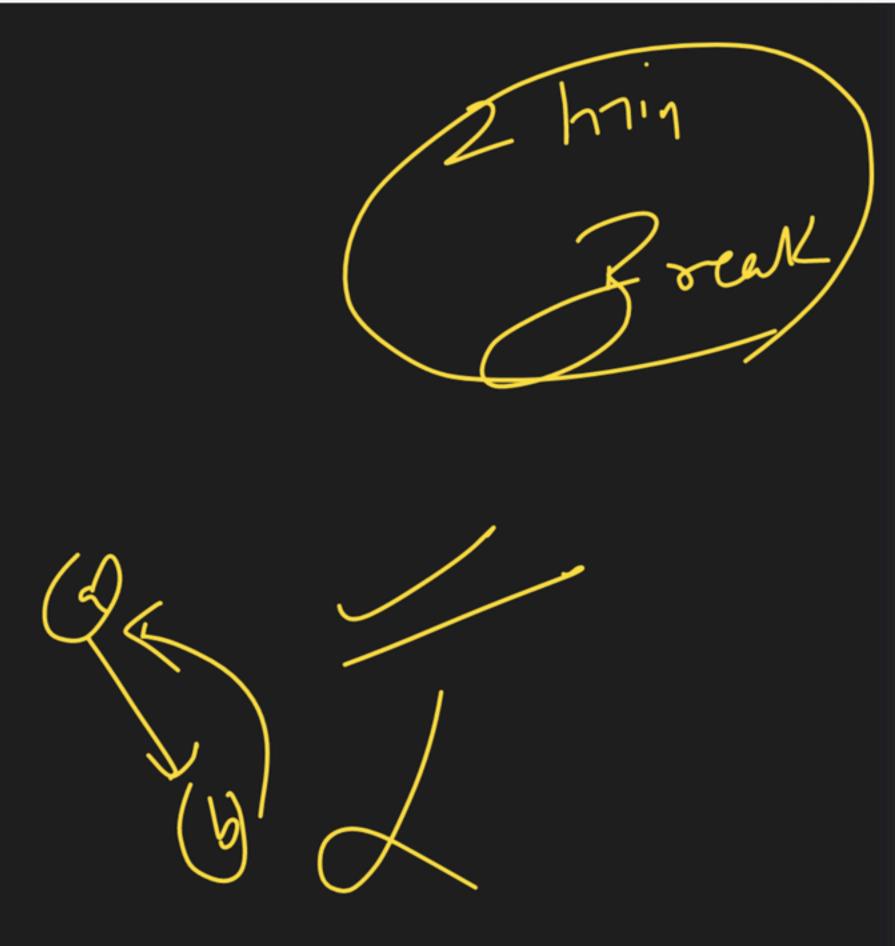
(deg vic

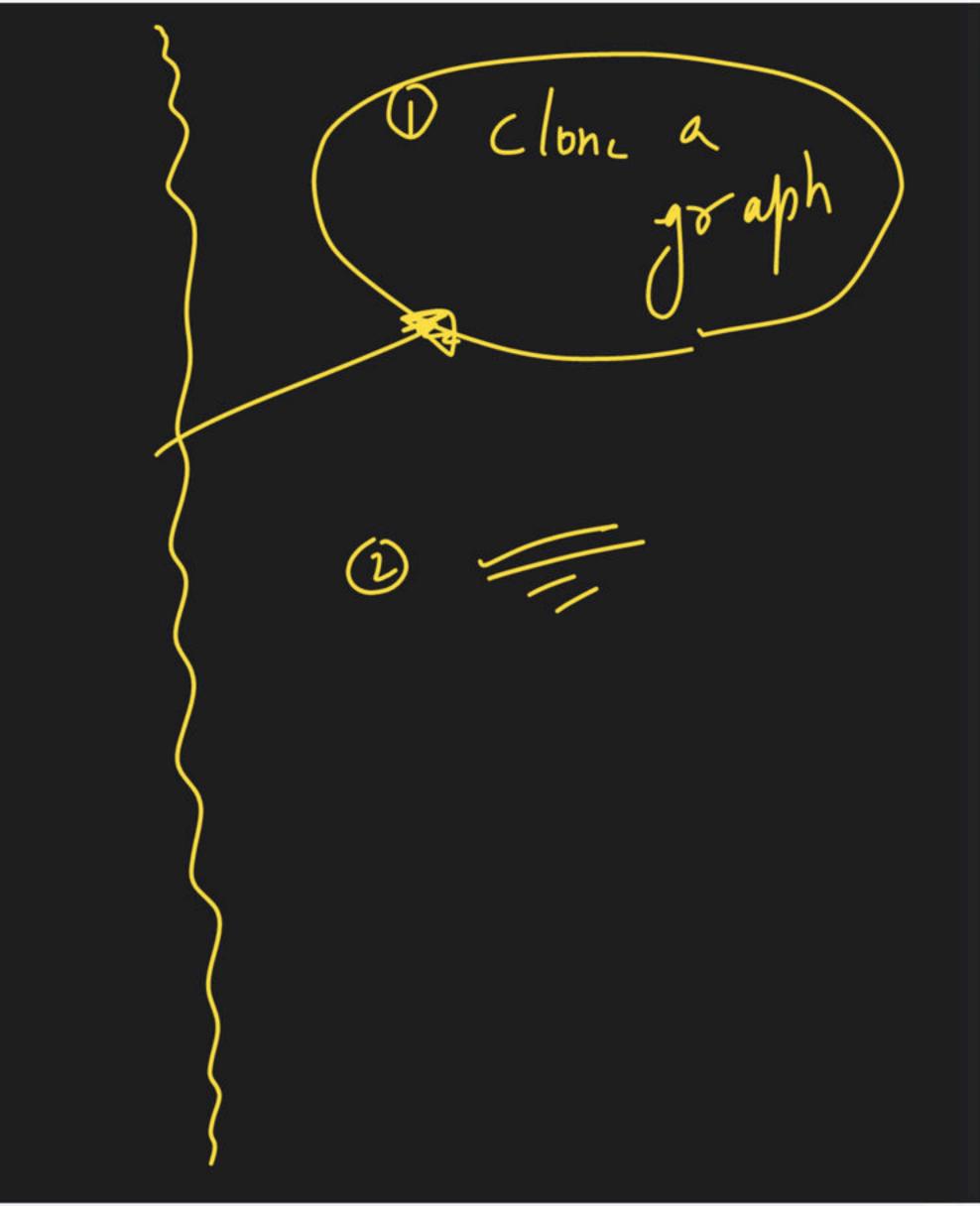
Indyrece directed greph L Out dyree Indyrer(a)=Q Out depredes = 3 Indyree (() =) Distagra Ly=0)

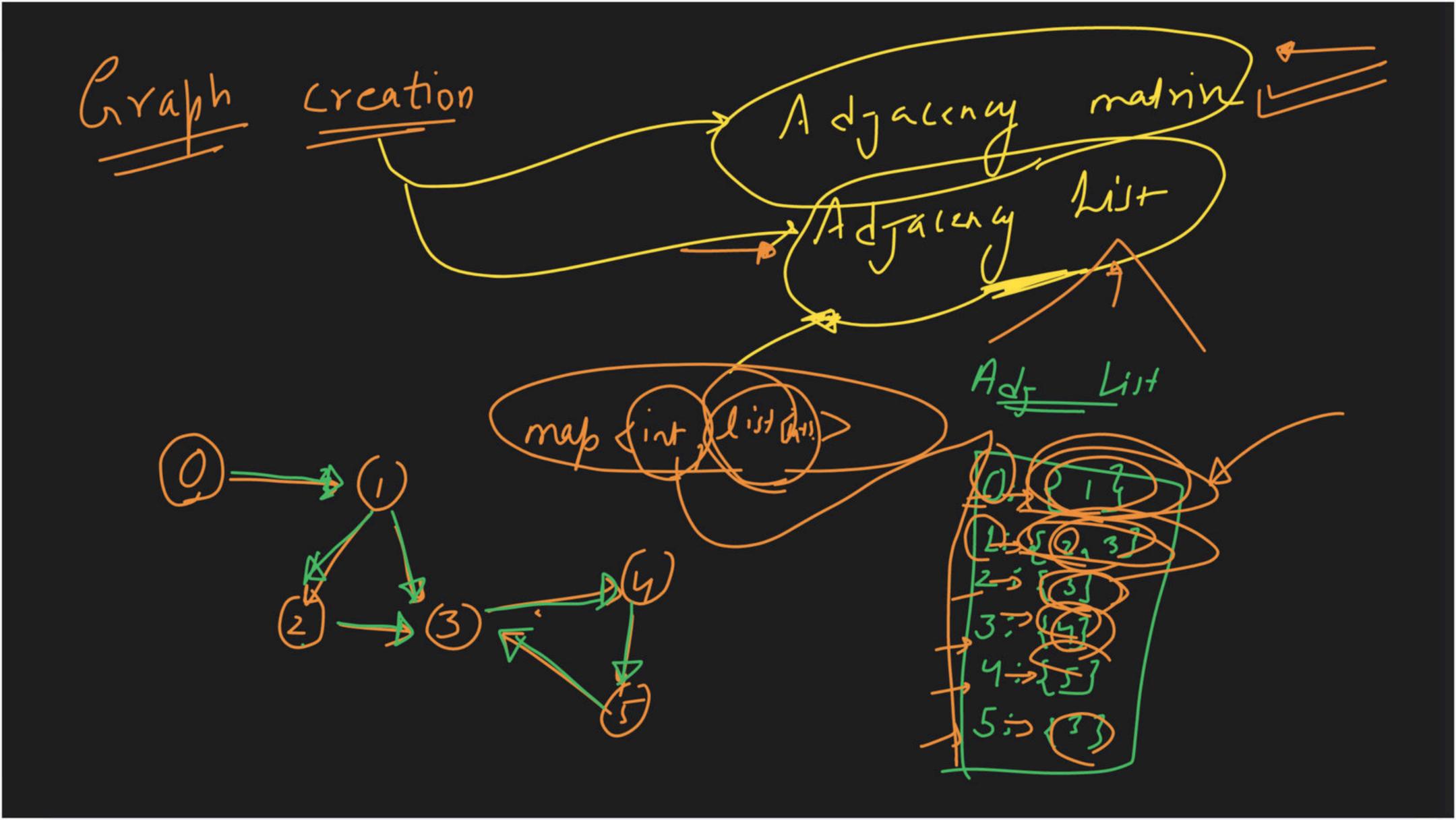
graph - Synn - cdge -> node - ur dir chy -> dircha - weighted -s une eight - dynce 7 indyser - outer rue











9. a dd Edge (0,1),0) g. add Edge (1,2),0) JadJ (W). pmL- back (U) g. 2001 (13) 8) adf [v]. pmh-hack (n) 9. addlogn (2,3,0) h= 0 42 L 4=1

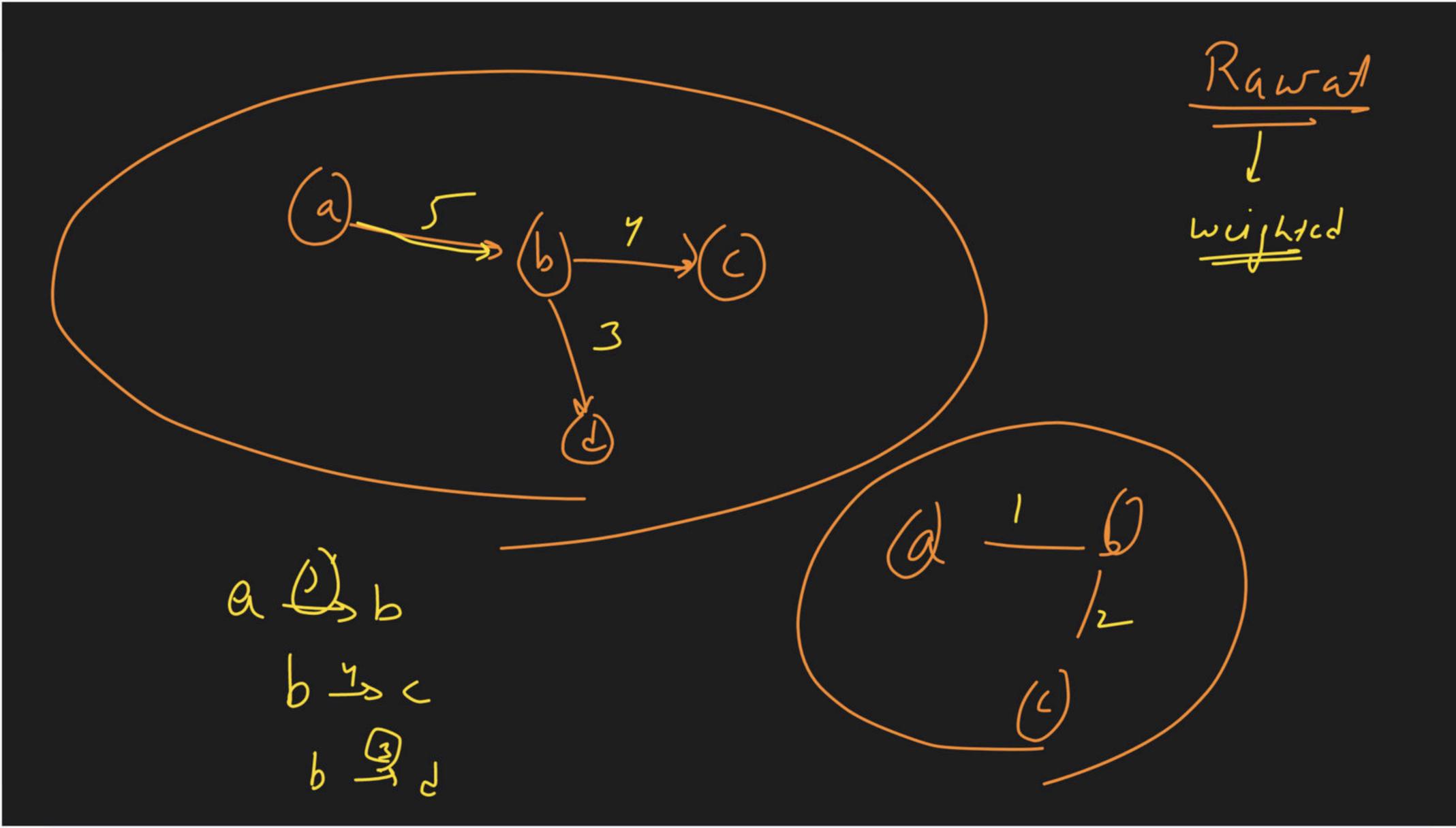
0: {1] 2: {1,2,3} 2: {1,2,3} 3: {1,2,3} fox (anto _i = ecd_list) 1 { // i -> < (0) : [{13} > cont << i-fint (for) (and neighbour : i. swond) Cout (S) neighbour

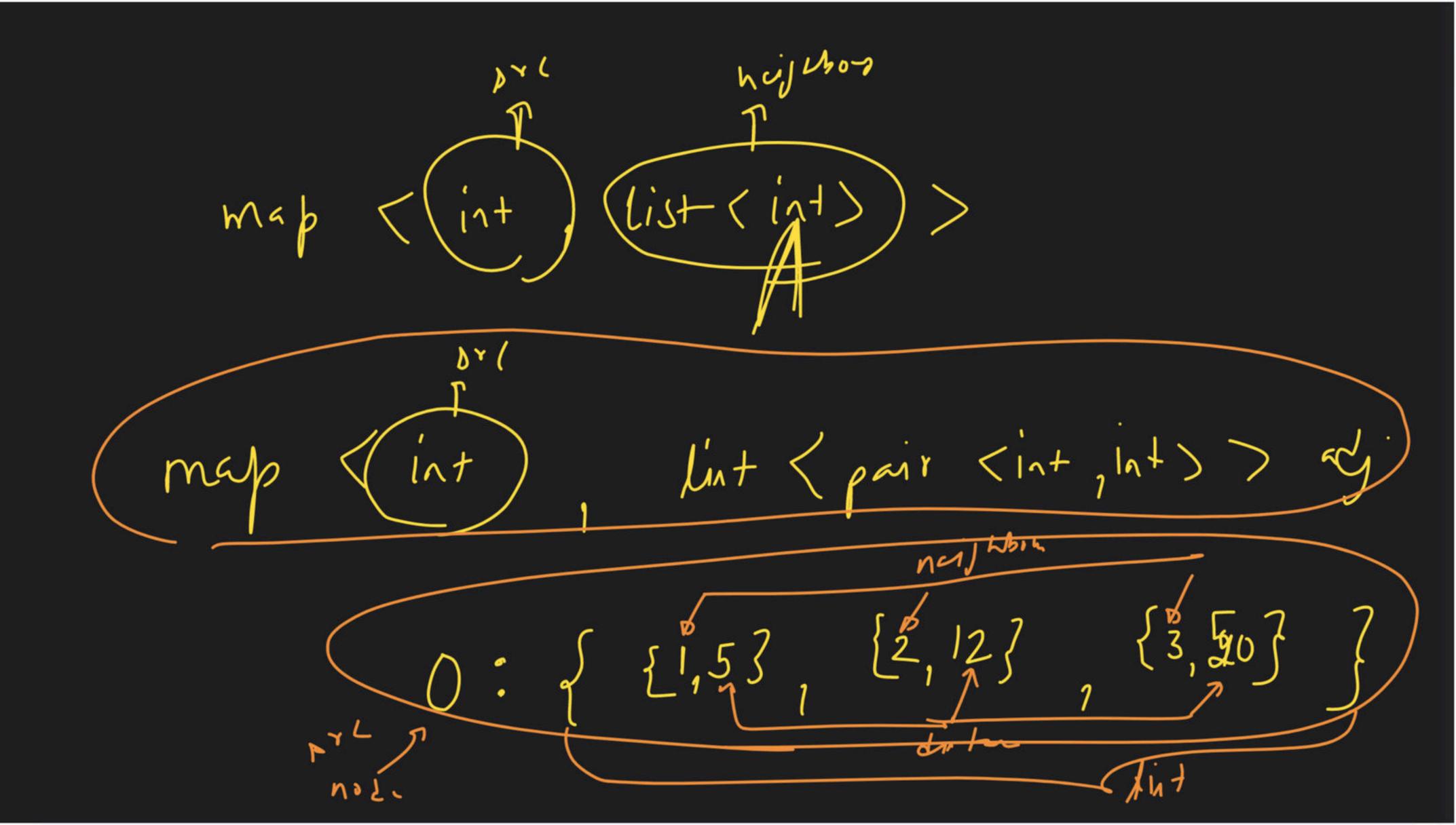
adj List

0: {1}

2: {33

3:{3





graph

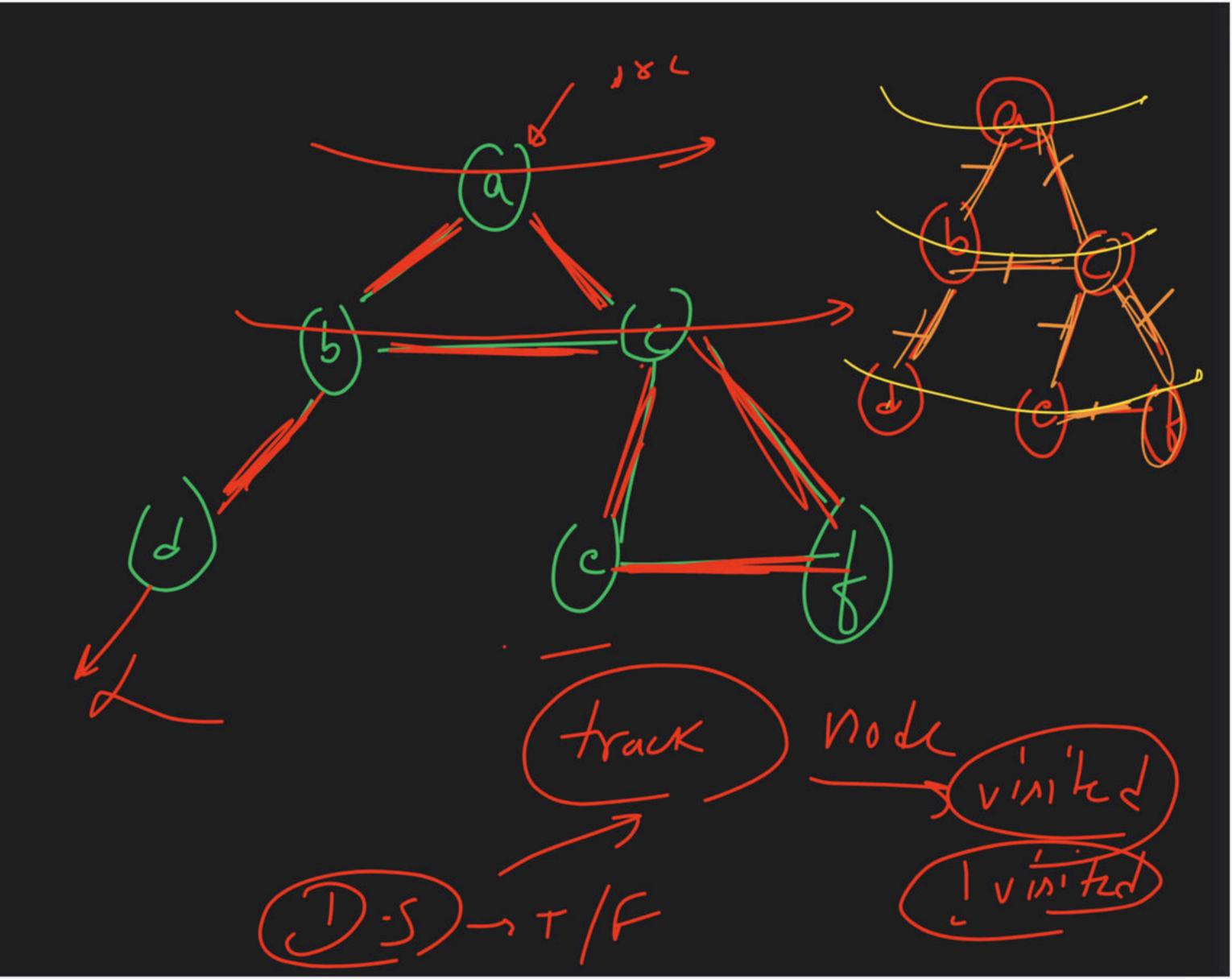
Taversal nrahh

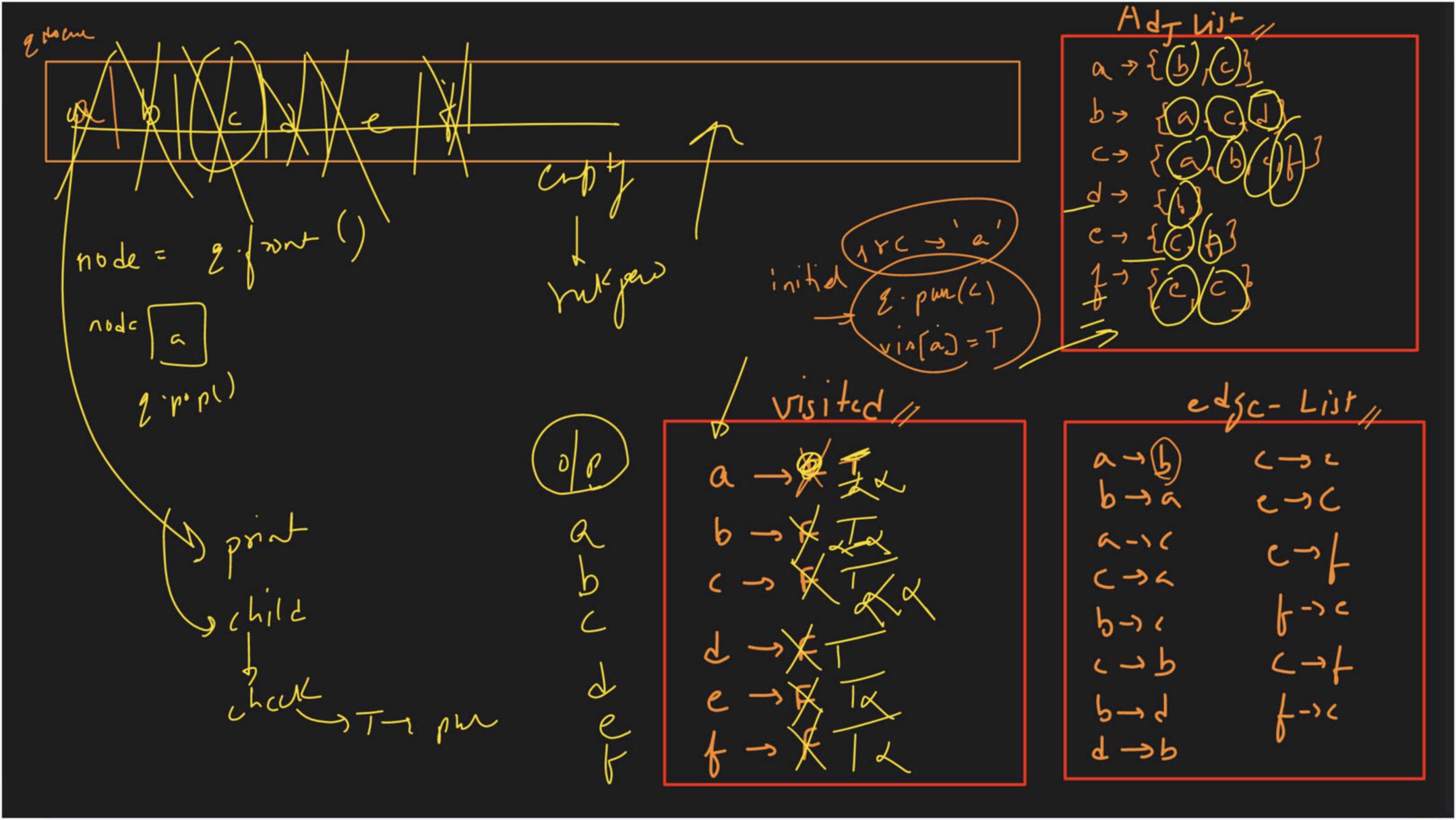
Adjaung NI D 01

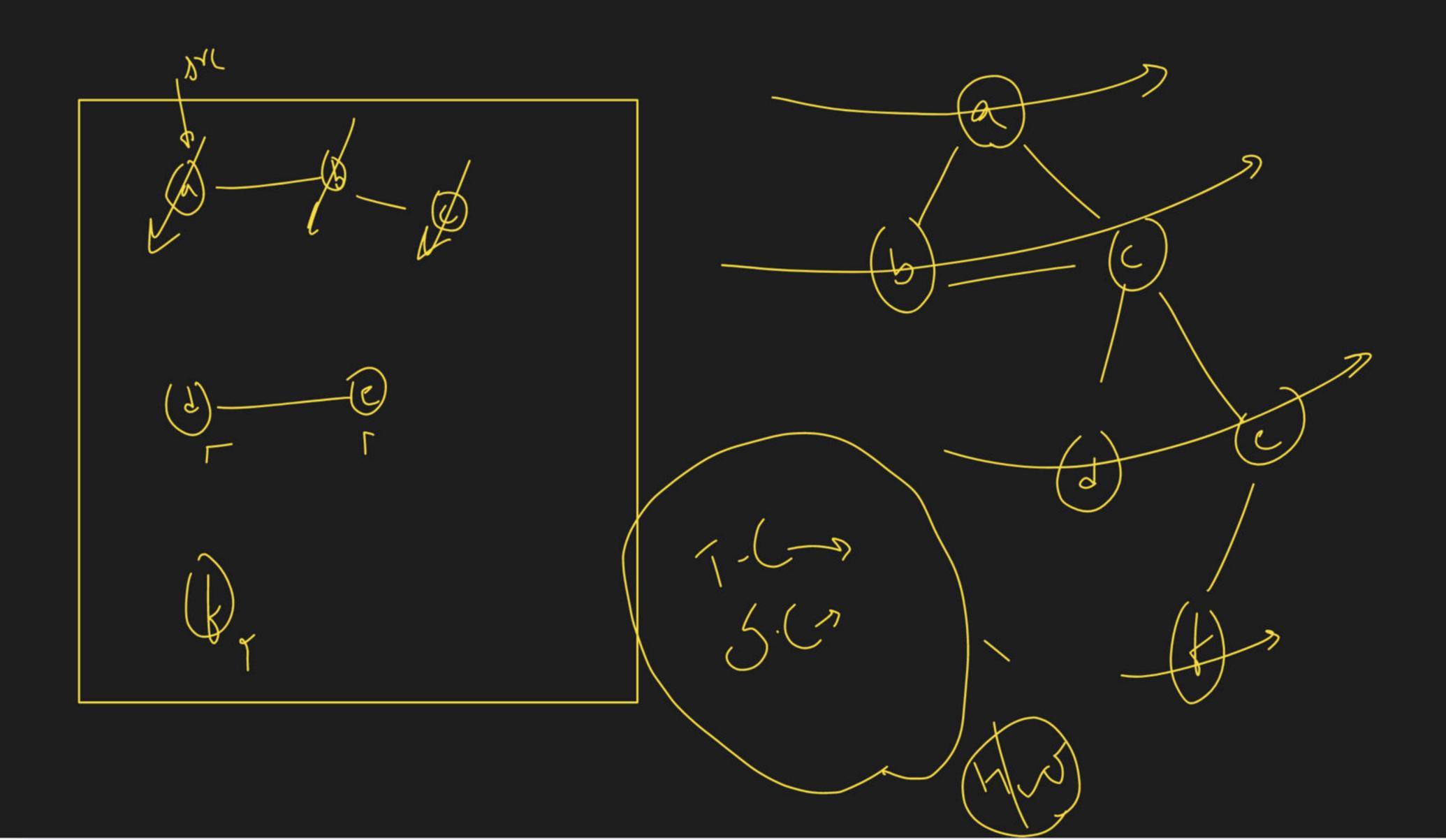
J.L. 0(n) solu ((veither (pair (int, int)) edge Litter) int h = cdyclist. size redor < redor (int) > adf (n, vector (int) (n,0)); for / and i! edgelish!

[int n= i: firt; int v= i. record; in pair first $2 \left(\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \left(\frac{1}{2} \right) \right) = \frac{1}{2}$ ムーッソ 8-C > 0(n2)

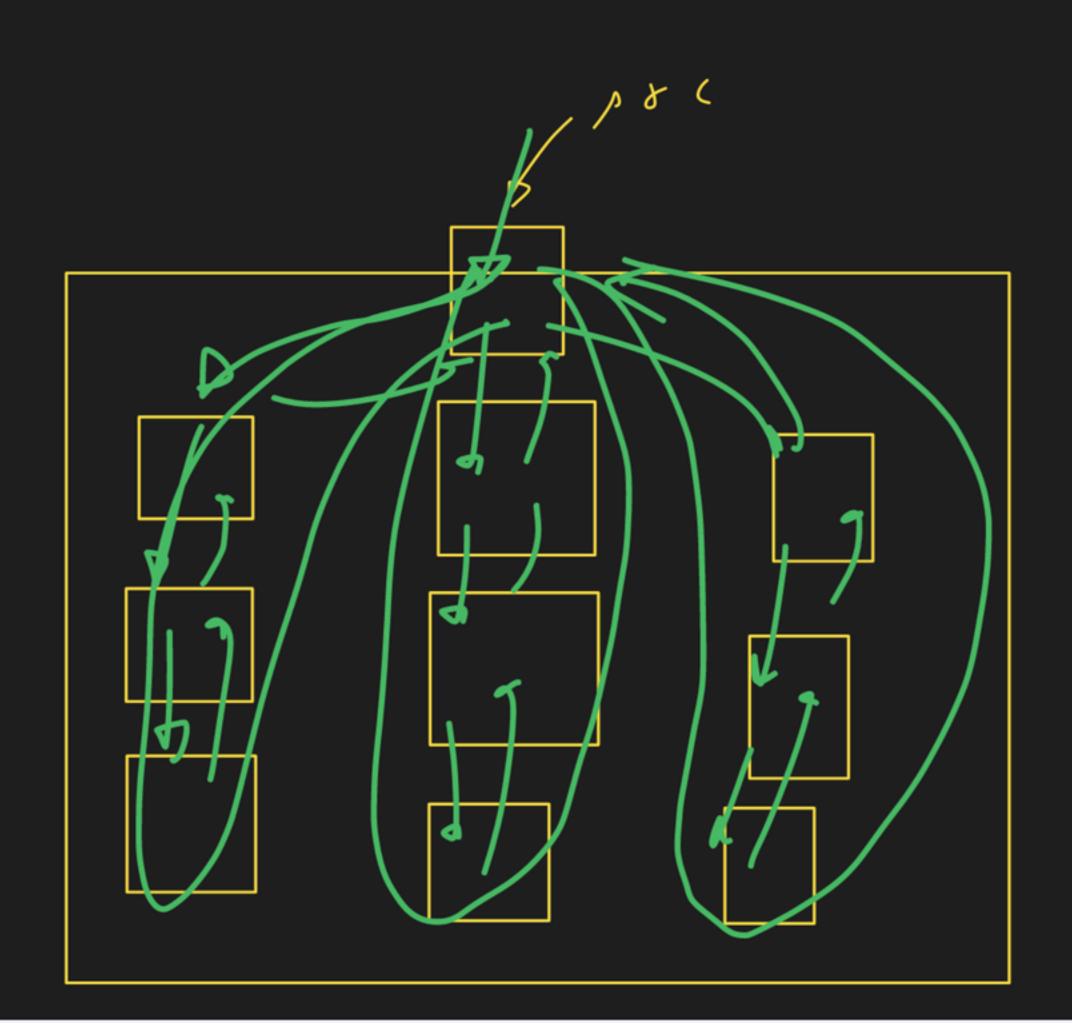
Breadth first Scard

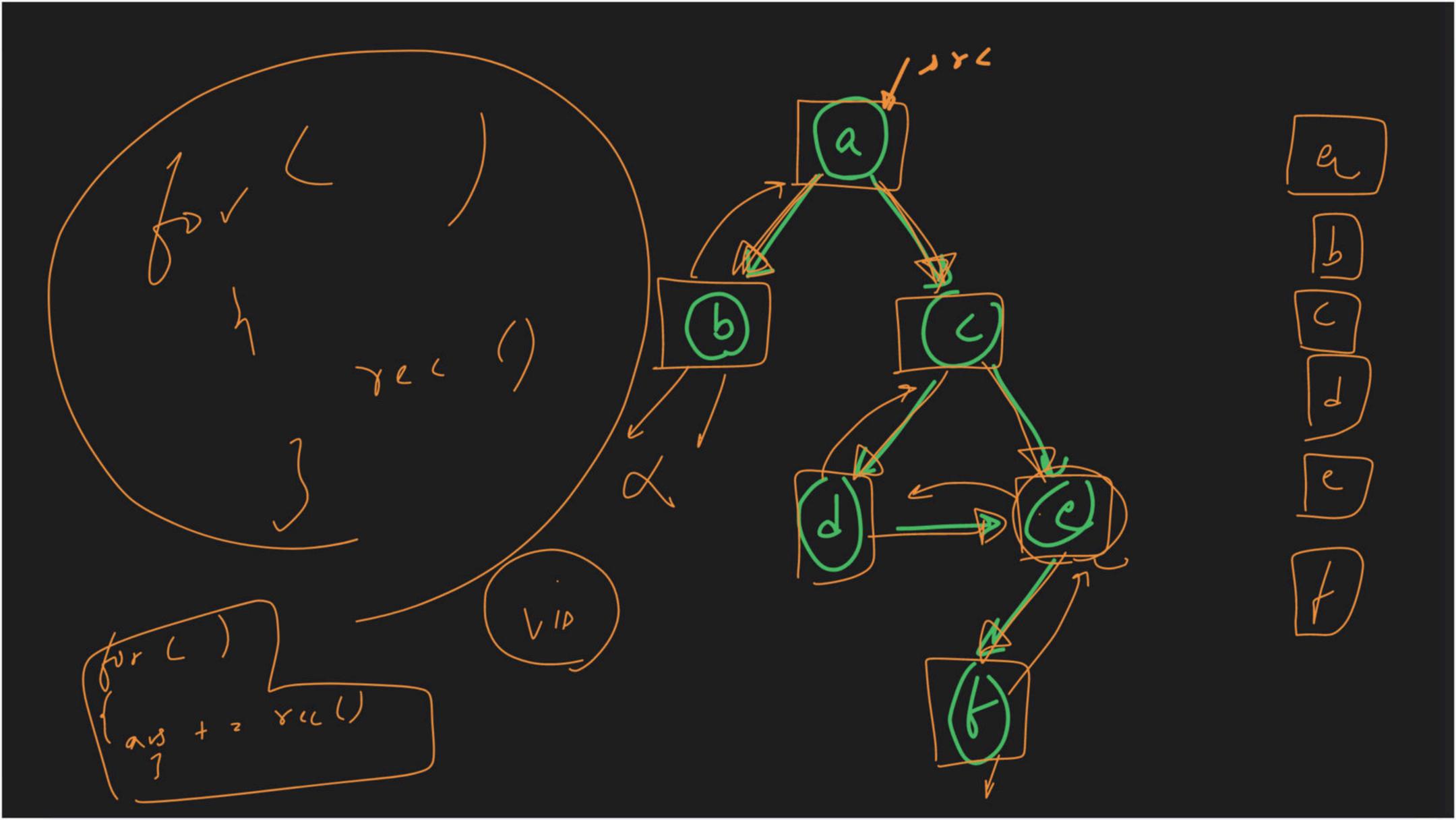


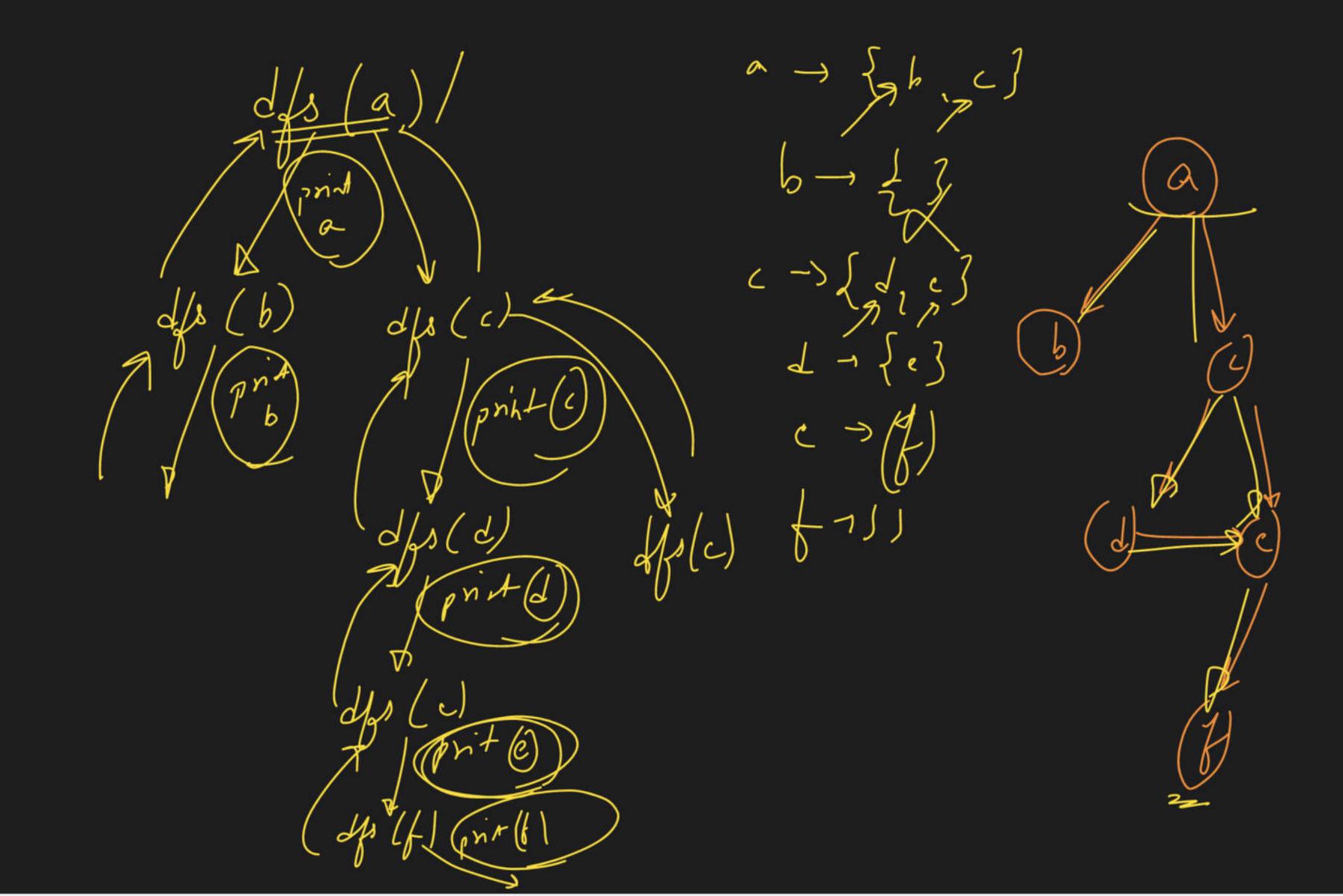


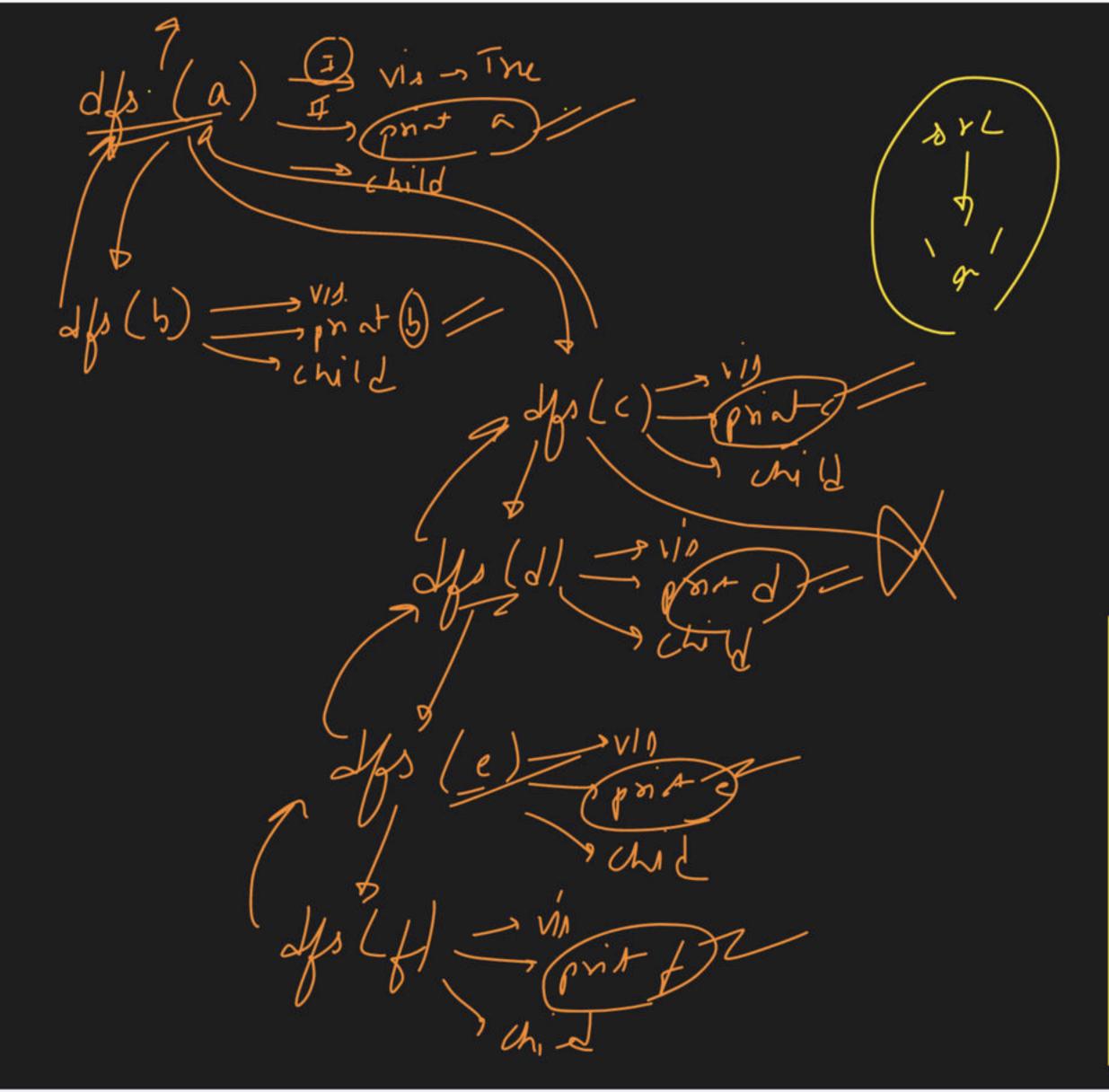












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