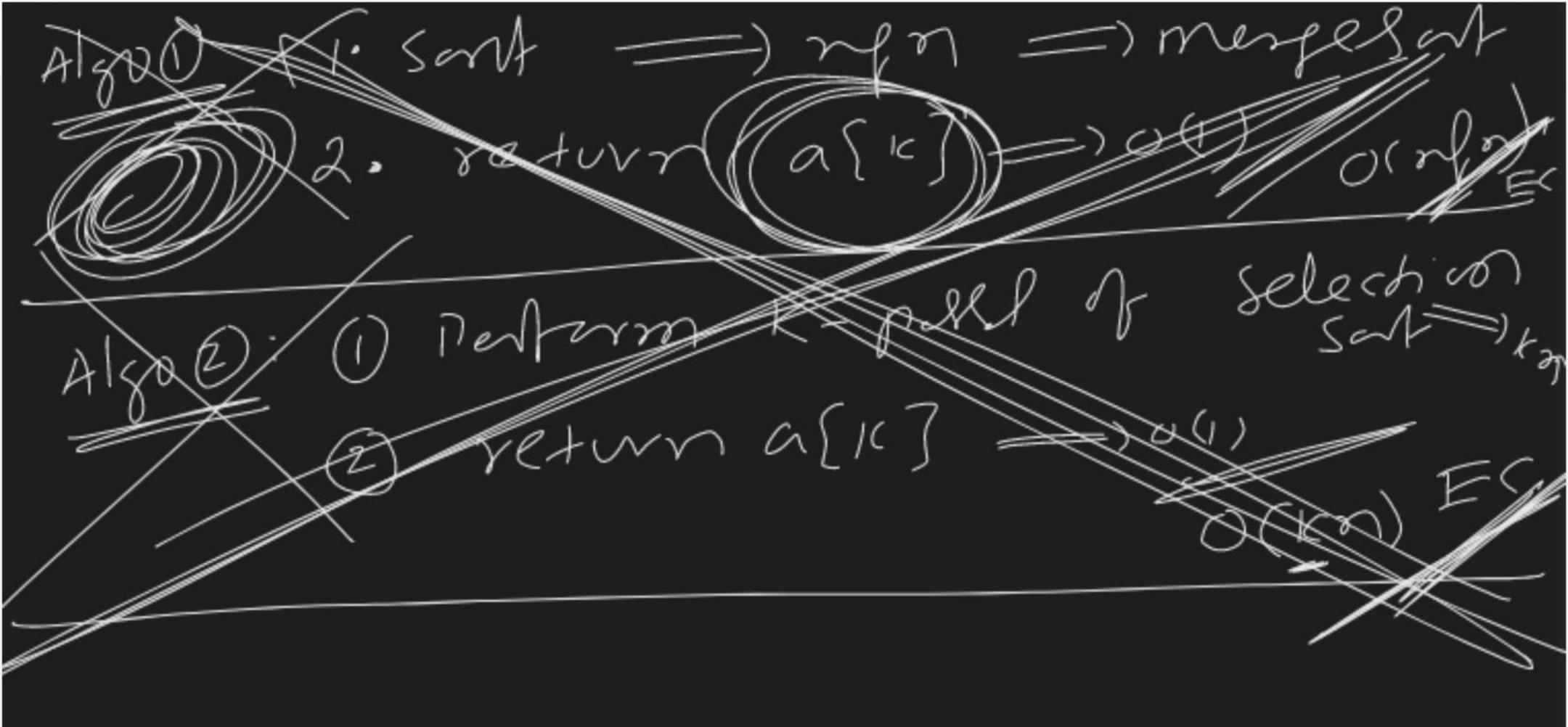
## Sorting - I Complete Course on Algorithm - Part II Subbarge Lingamgunta + Lesson 7 + Apr 7, 2021

Selection Procedune 1/p: An array of n + ne det inti, inter-k %: Find Kth Smillett clement. er A 50 20 10 90 25 38 62 147 1 2 3 4 5 6 7 8 K=4V K=8 / K=1 / 90 / 10/



Selecasion-por (a-1,12,7) A 50 25 85 45 30 62 88 98 110 15 2969/8  $(\sigma)$ Partaltion 25 45 30 15 29 (50) (85 62 88 98 110 G) 4 2 3 4 5) 60 (85 62 88 98 110 G) Selv-pro(a,7,12,7)  $n \cap (n) \rightarrow n$ 

$$m = \begin{pmatrix} 62 & 69 \\ 7 & 8 \end{pmatrix} \begin{pmatrix} 85 \\ 9 \end{pmatrix} \begin{pmatrix} 88 & 98 & 110 \end{pmatrix}$$

$$Sden - pv(a, 3, 8, 7)$$

$$ren(n) \longrightarrow n$$

$$m = \begin{pmatrix} 62 \\ 64 \end{pmatrix} \begin{pmatrix} 69 \\ 64 \end{pmatrix} \begin{pmatrix} 69 \\ 64 \end{pmatrix}$$

SP(a, P, V, K) 16(p==2) retur (a[P]) m=rsh 1:00 (a,r,v) \*(m==10) redw(a(k7) p, 201, K) m+1, v, k) SP (a,

$$T(n) = 3eN(sl Time)$$

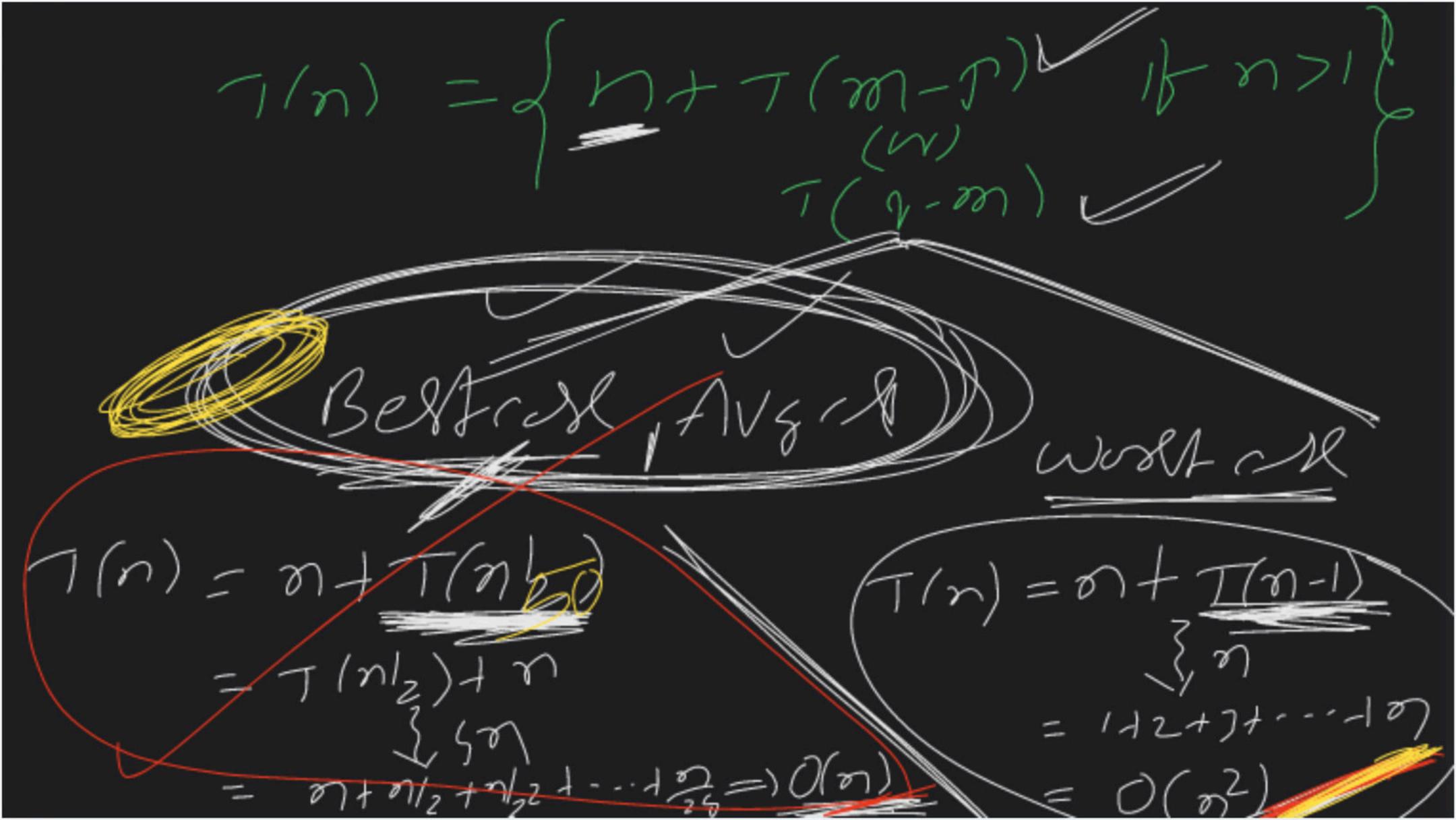
$$= 0(n)$$

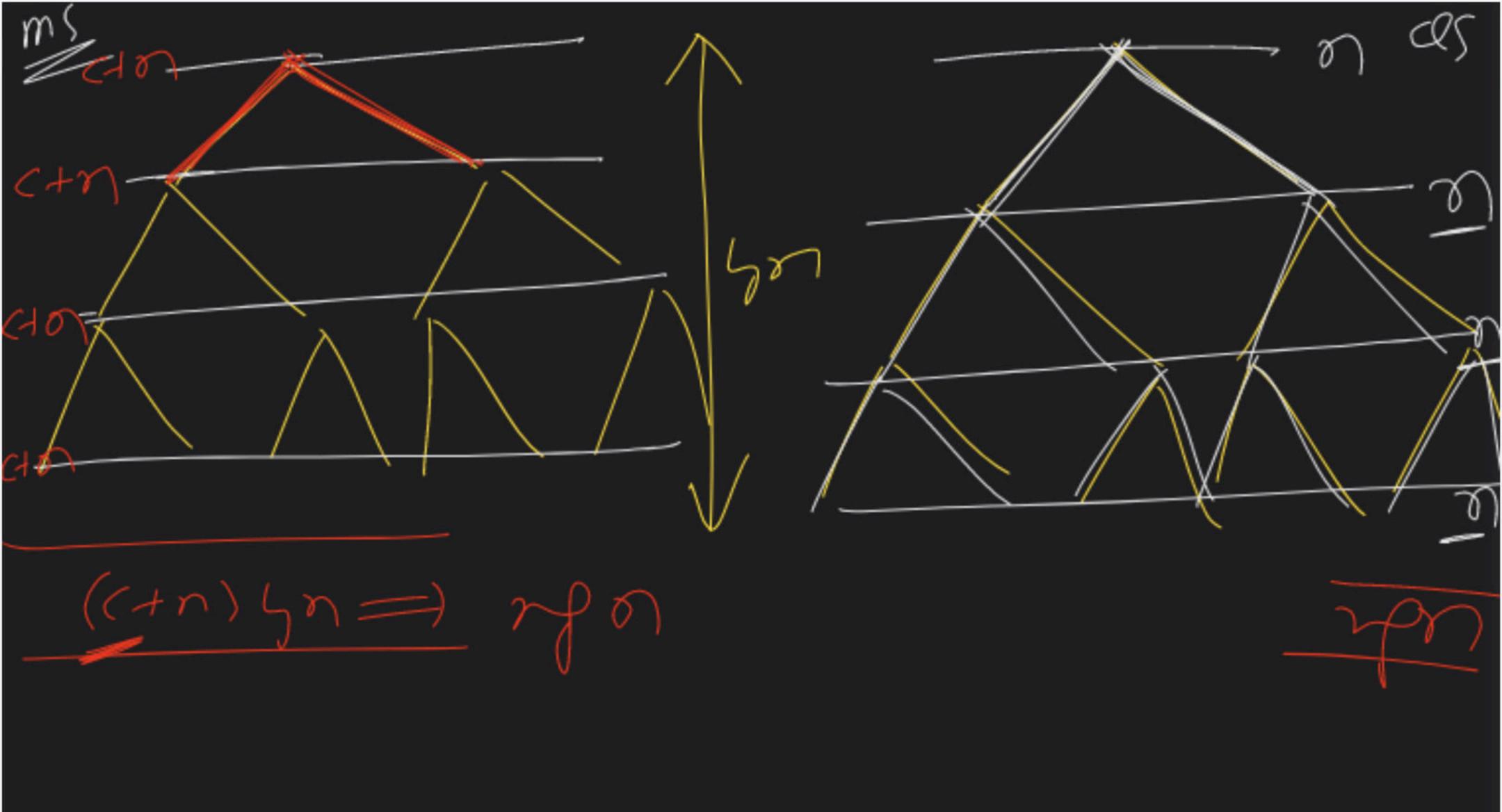
$$T(n) = 0 + T(m-r)$$

$$(v)$$

$$T(v-m)$$

$$Cses$$





practice classics 

DAC