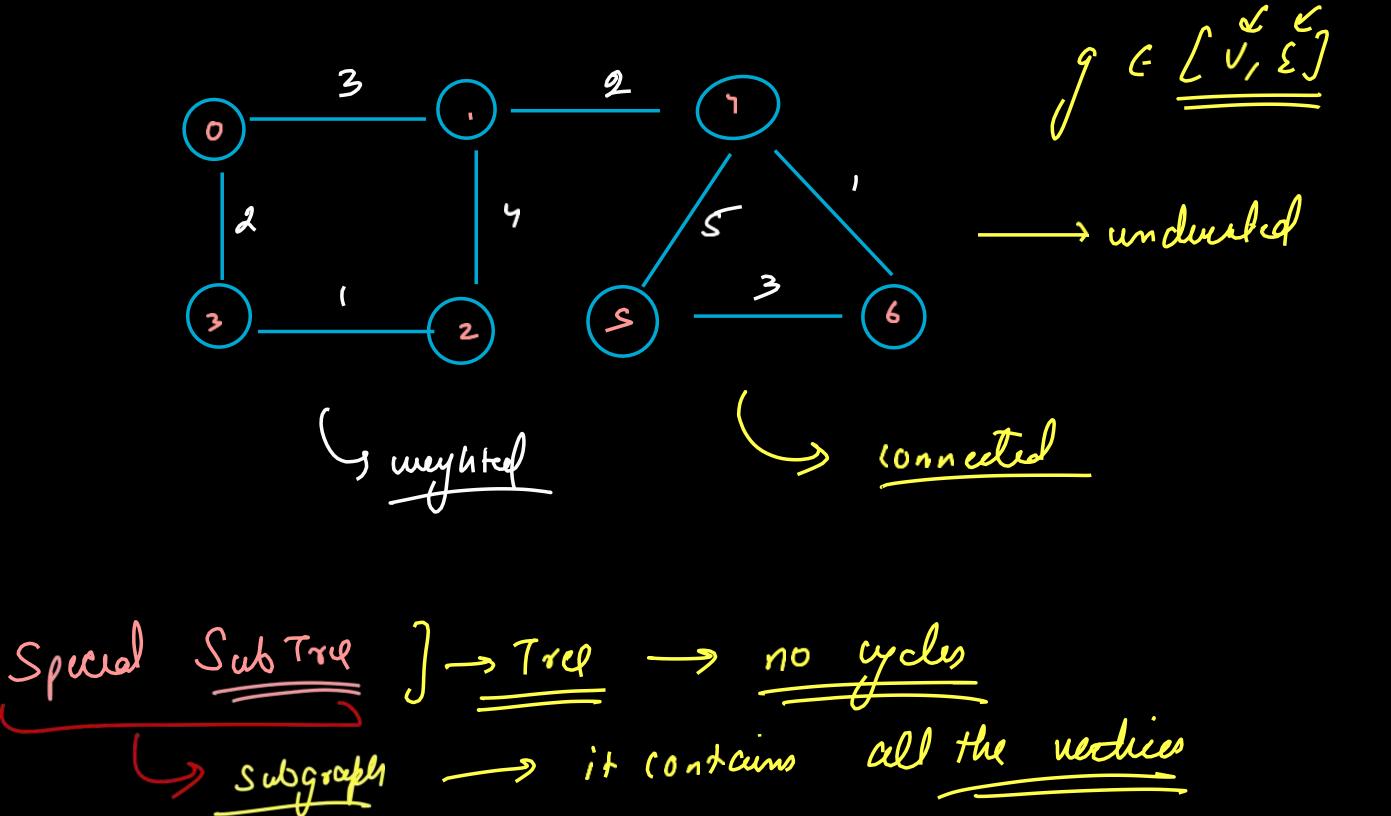
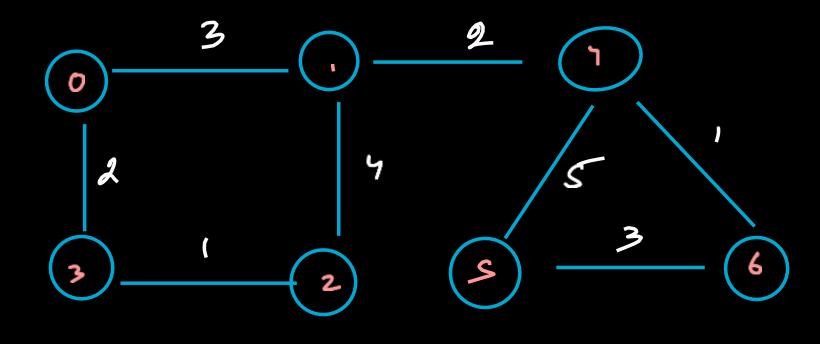


Graphs 08
Graphs (Part 5)







min Sum

$$\frac{3}{2} \frac{2}{3} \frac{2}{3} \frac{3}{3} \frac{3}$$

JOIN THE DARKSIDE

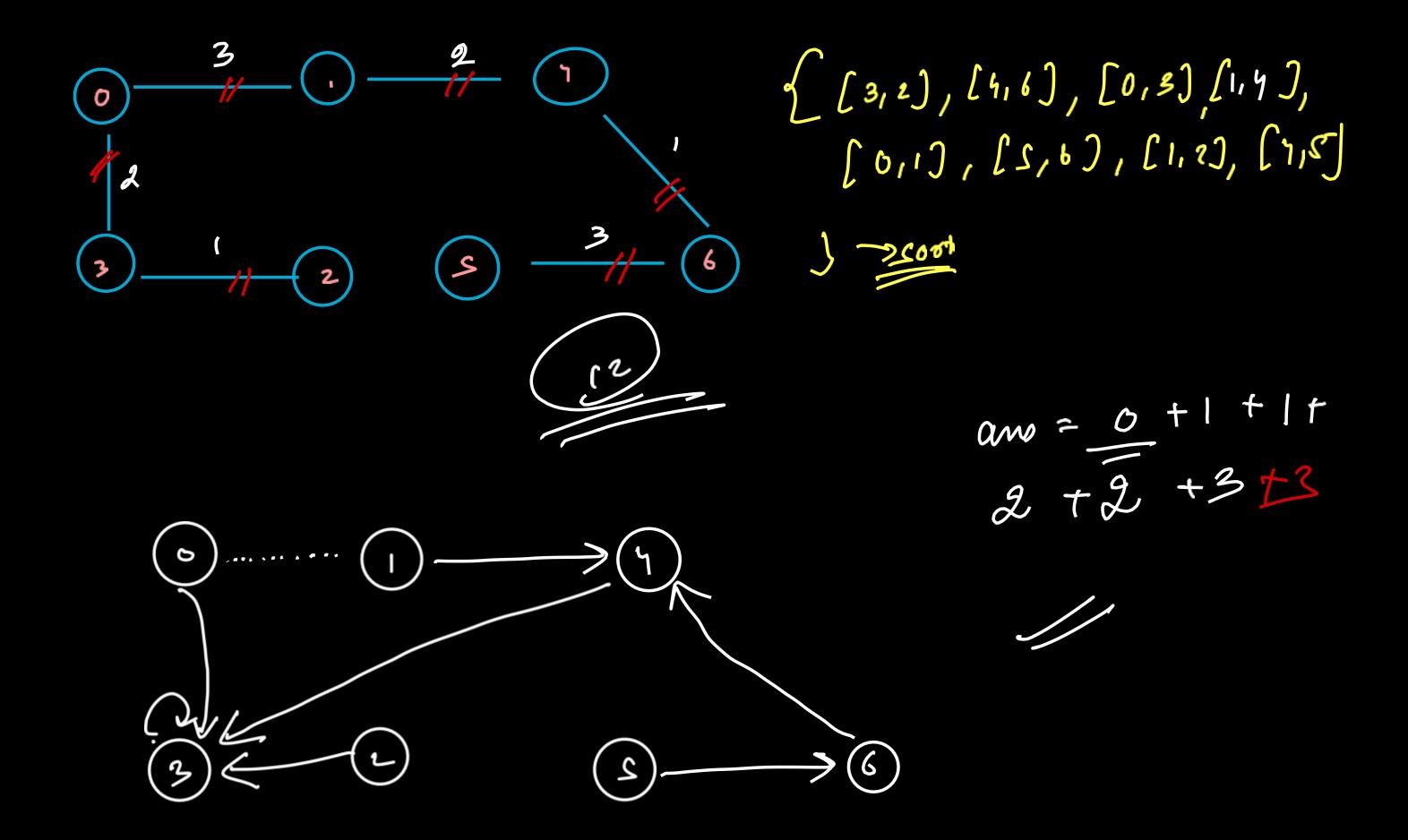
MST Commun spanning - True -> no cycles includes all the nodes of graph Subgoofele -> Sem of the edge with is min hay all vertices but min 4 gorithms W Solve msT no. of edges narlable b keep it lonnely Kruokals

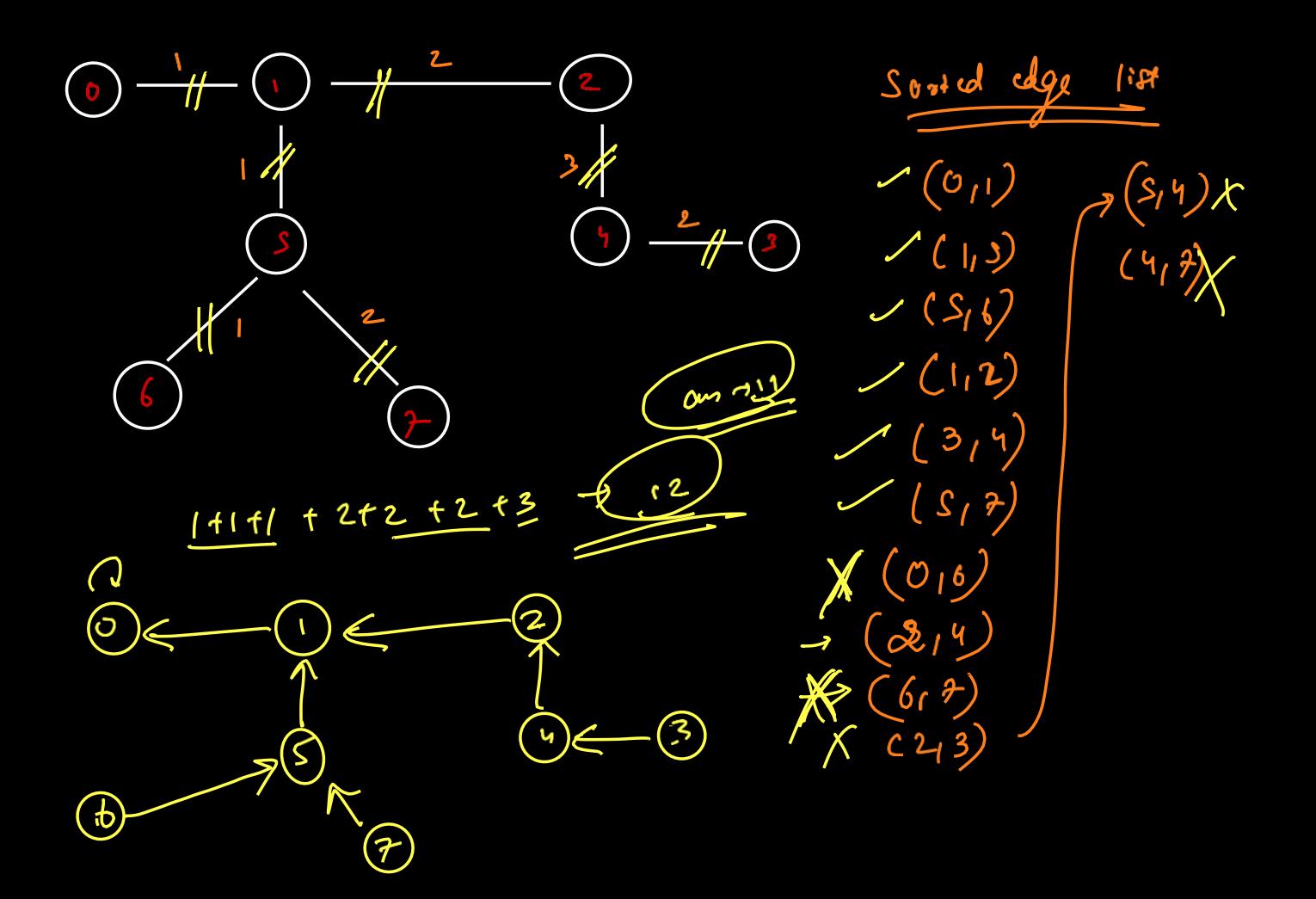
edges. Some edges will be preked Some want.

KRUSKAL'S

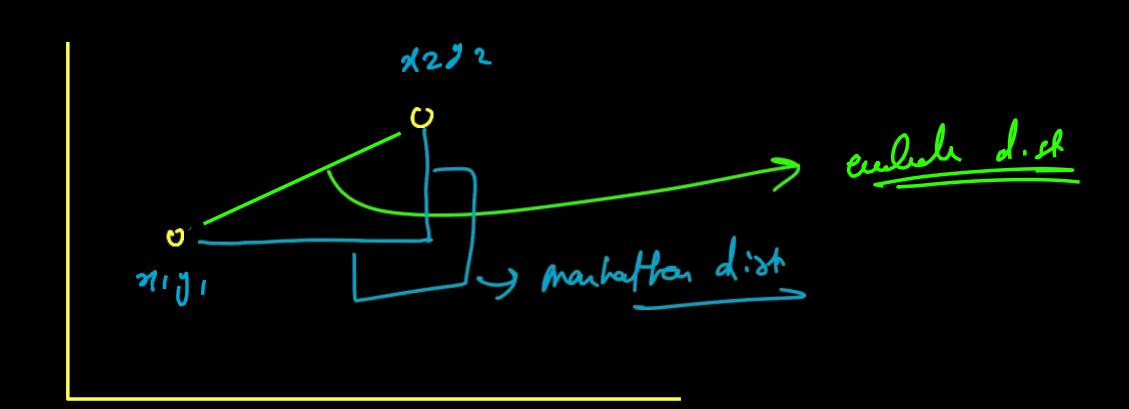
Ly if choosing an edge forms a cycle avoid it, else

use it.

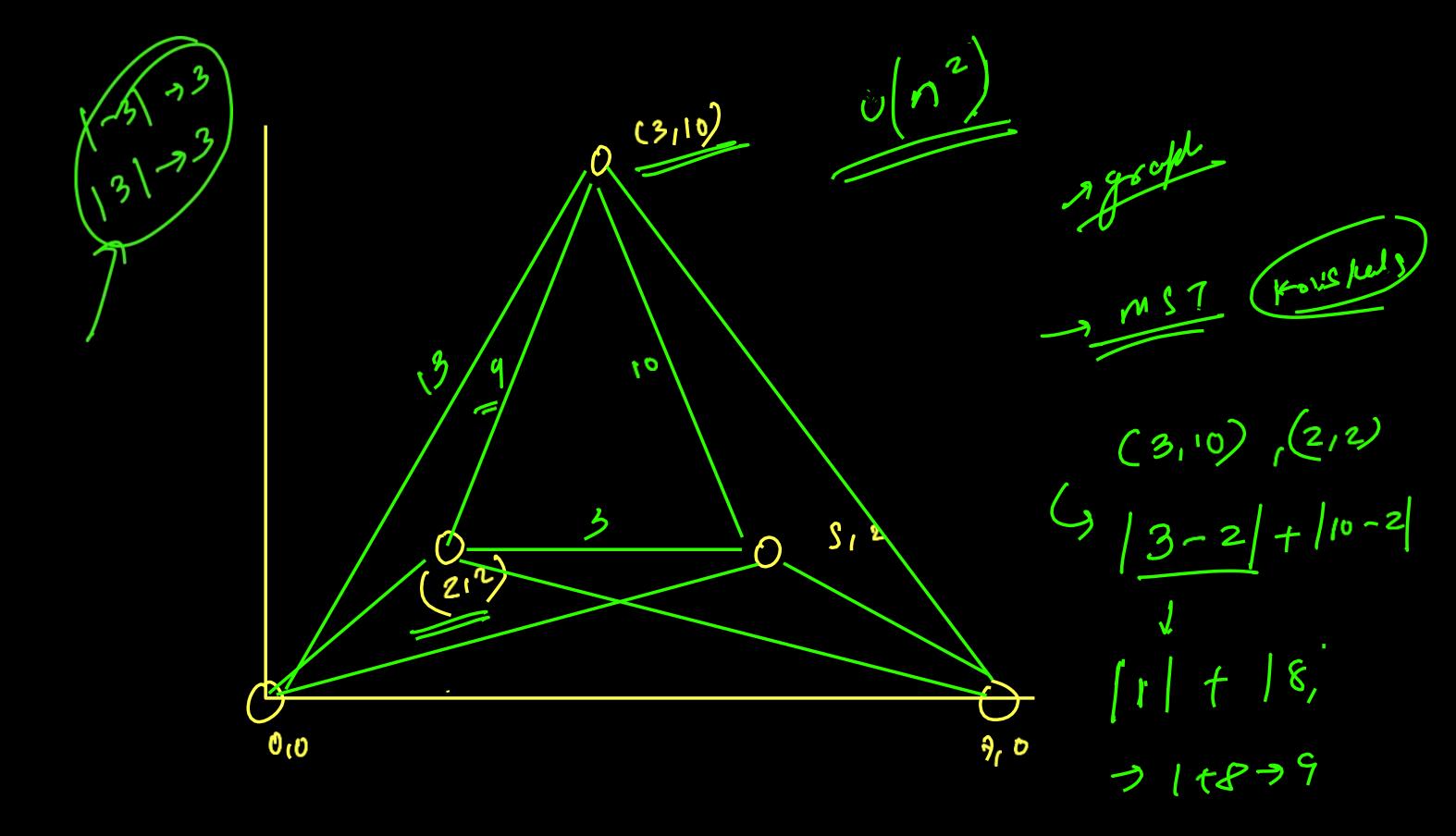




> choosy smallest edge wit which do not Greedy droice from cycl. () ms1 \rightarrow ($\int \mathcal{E}_1 \rightarrow W_1$ $\mathcal{E}_2 \rightarrow W_2$ $\pi + \omega_1 \leq \pi + \omega_2$ 1 E1 + cycle Zrwi Zn+wr JEIX gell



8inple path - mst foted > E edye 1°sk





THANK YOU