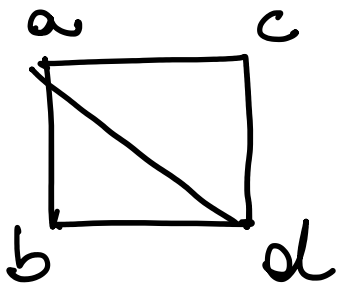


ESEMPIO ARCOCONNETTIVITA'

lunedì 29 marzo 2021

13:08

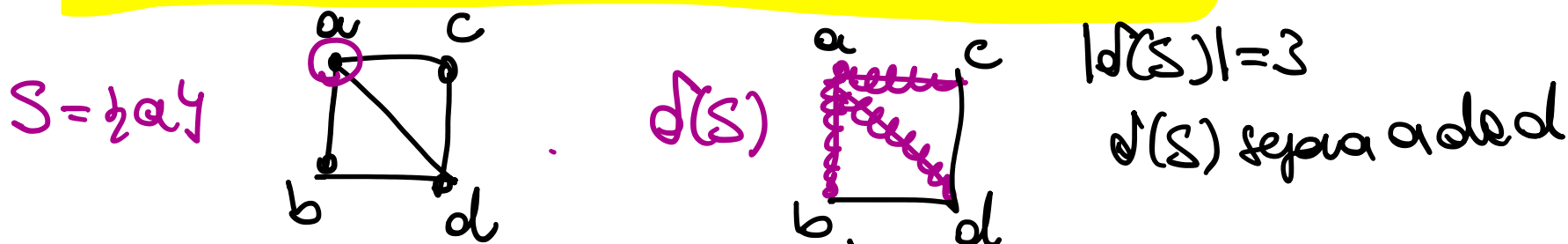
$G(V, E)$:



$K^E(G) = ?$

$$K^E(G) = \min \{ K_{ad}^E(G), K_{ac}^E(G), K_{dc}^E(G), K_{bc}^E(G), K_{bd}^E(G), K_{ab}^E(G) \}$$

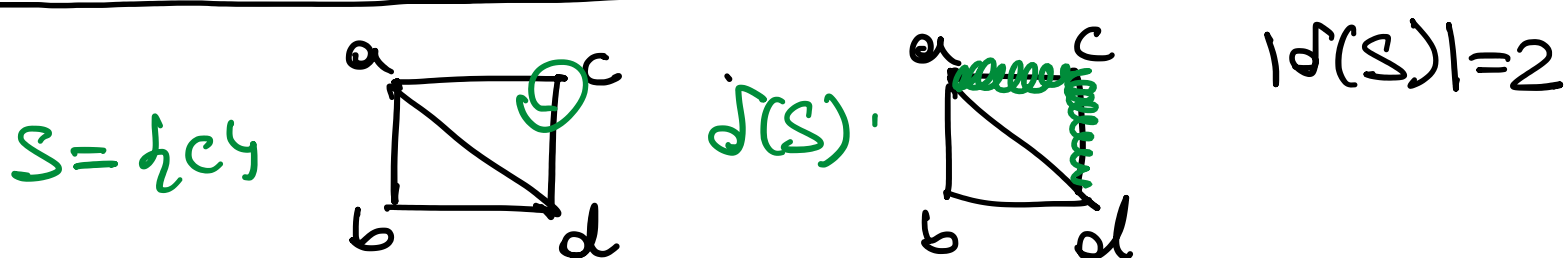
NB $\forall x, y \in V, x \neq y$ è $K_{xy}^E(G) > 1$



$\Rightarrow K_{ad}^E(G) \leq 3$. Siccome ci sono 3 cammini disgiunti

tra a e d: altre

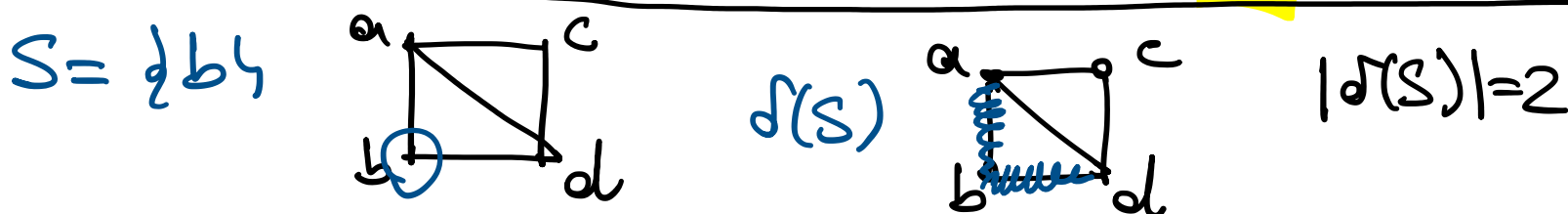
$$K_{ad}^E(G) = 3$$



$\delta(S)$ separa a da c $\Rightarrow K_{ac}^E(G) \leq 2 \Rightarrow K_{ac}^E(G) = 2$

$\parallel \parallel$ d da c $\Rightarrow K_{dc}^E(G) \leq 2 \Rightarrow K_{dc}^E(G) = 2$

$\parallel \parallel$ b da c $\Rightarrow K_{bc}^E(G) \leq 2 \Rightarrow K_{bc}^E(G) = 2$



$\delta(S)$ separa b da d $\Rightarrow K_{bd}^E(G) \leq 2 \Rightarrow K_{bd}^E(G) = 2$

$\parallel \parallel$ a da b $\Rightarrow K_{ab}^E(G) \leq 2 \Rightarrow K_{ab}^E(G) = 2$

concludendo: $K^E(G) = \min \{2, 3\} = 2$