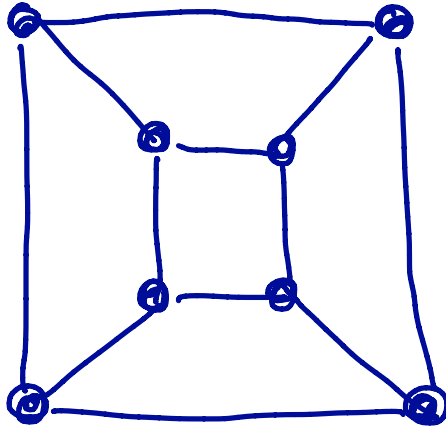
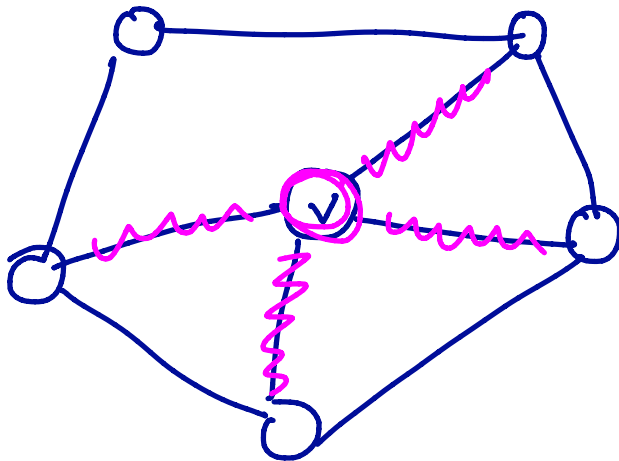


CAO 24.10.17

[14]



[15]



$\delta(v)$

$\deg(v) = 4$

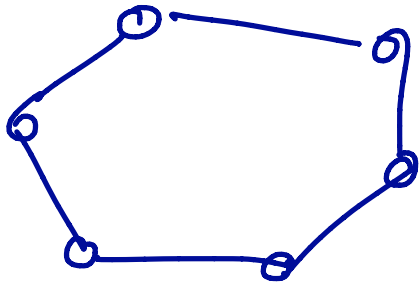
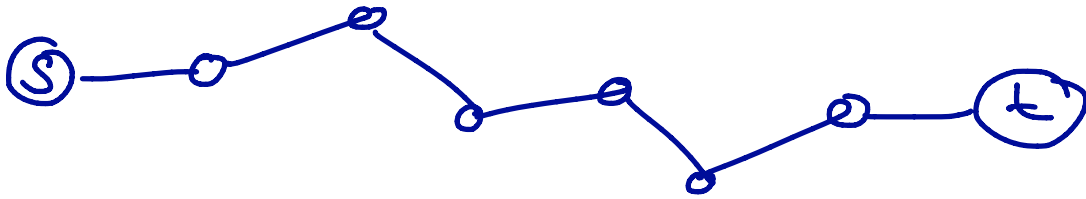
[16]

$$G = (V, E)$$

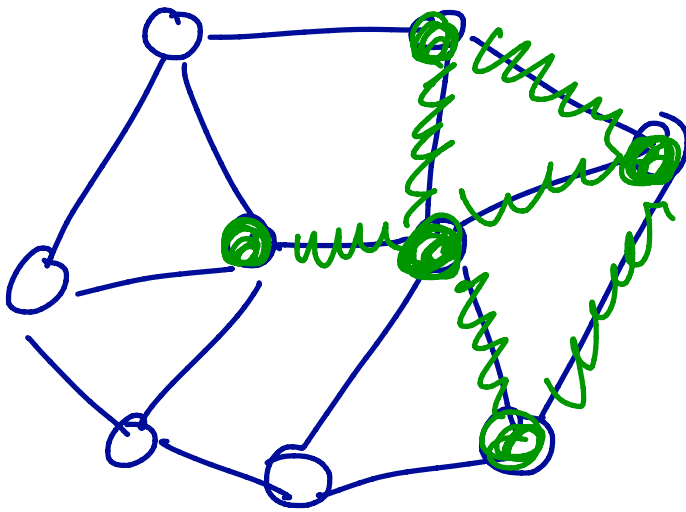
$$\sum_{v \in V} \deg(v) = 2 \cdot |E| \leftarrow \text{even}$$

↑  
even number of terms is odd

[17]



[18]



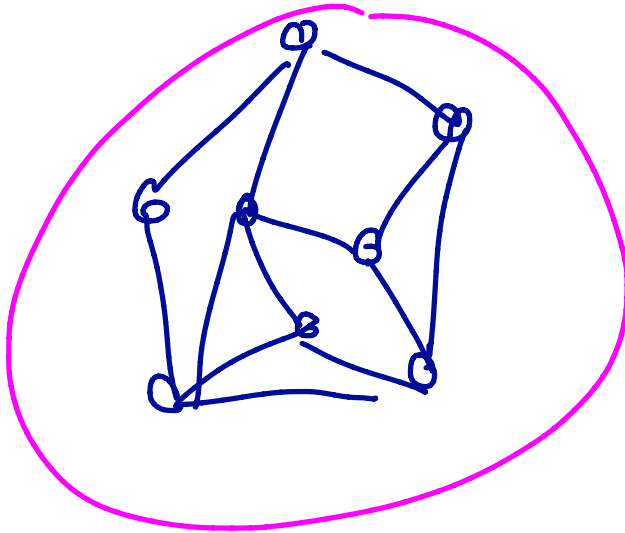
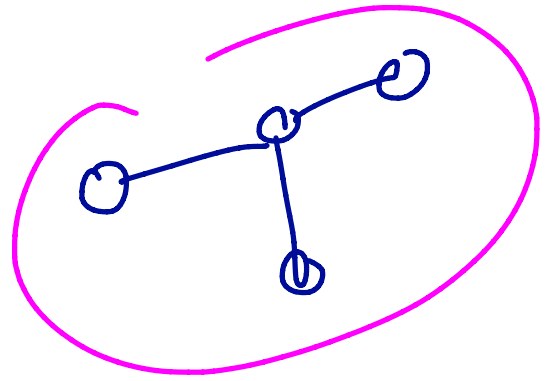
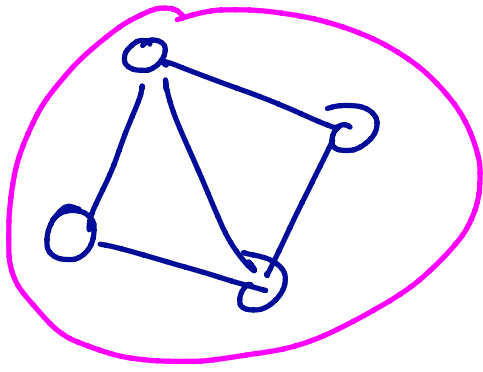
$$G = (V, E)$$

$$U \subseteq V$$

$$G[U] = (U, \{vw : vw \in E, v, w \in U\})$$

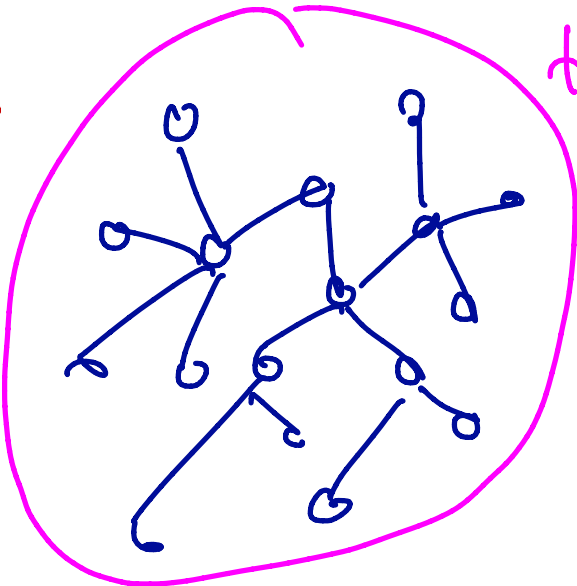
$$\parallel \\ E \cap \binom{U}{2}$$

[20]

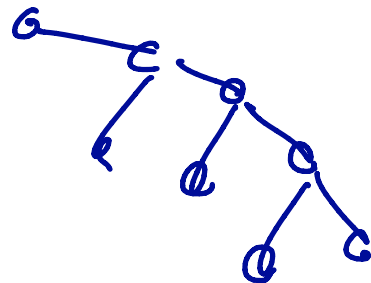
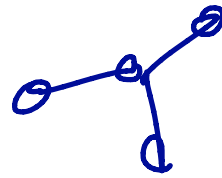


3 connected components

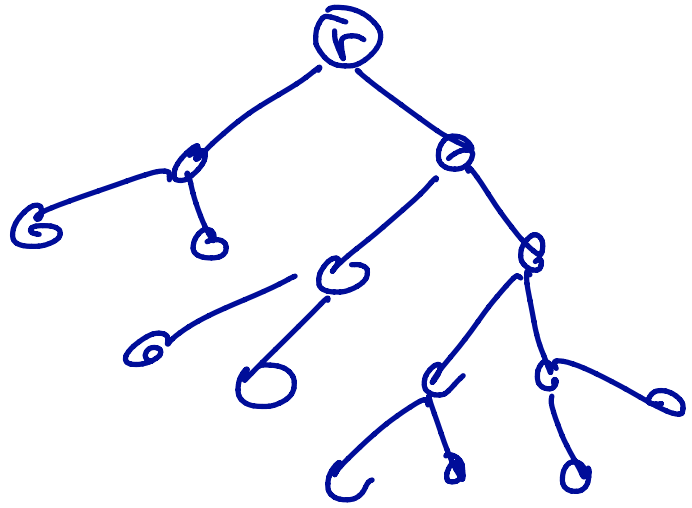
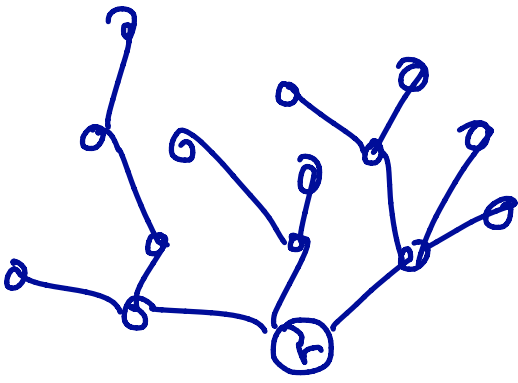
[21]



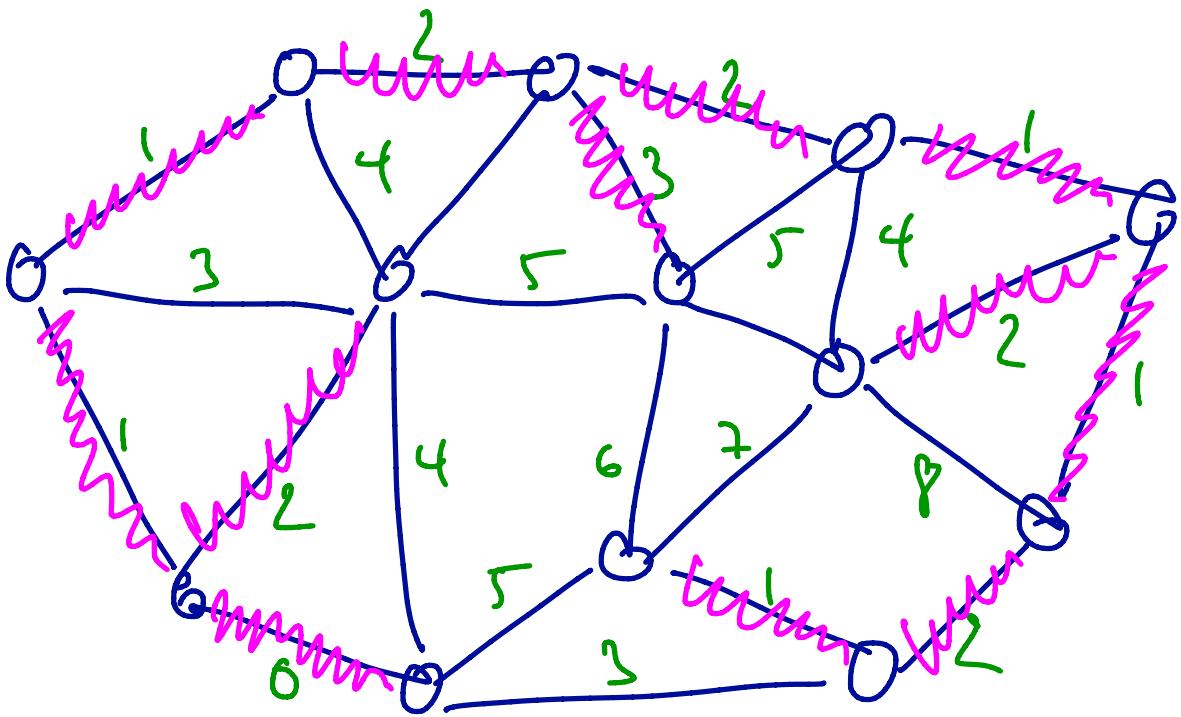
tree



forest

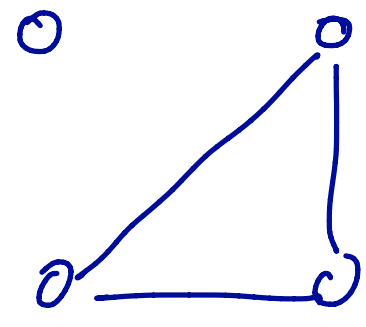
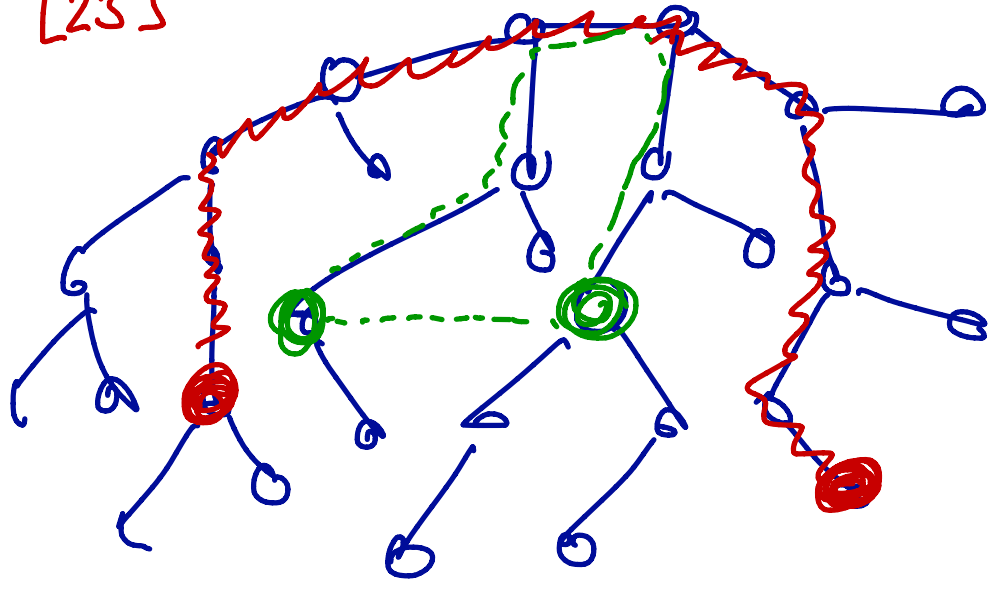


[22]

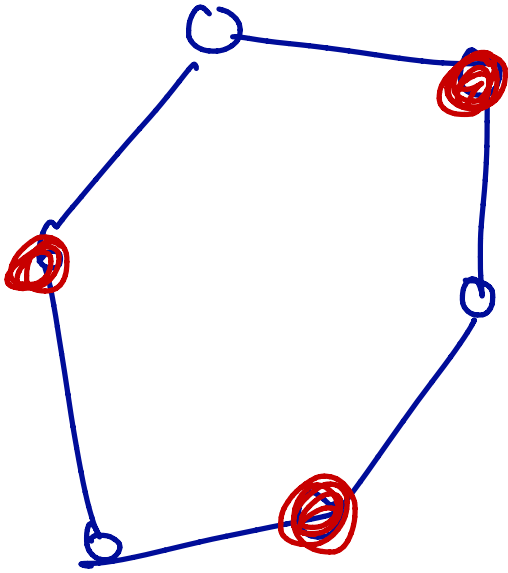


Cost of this spanning tree: 18

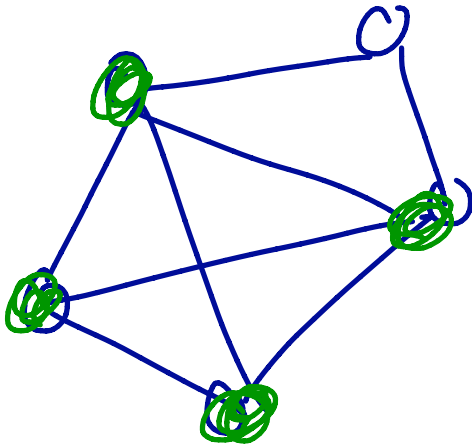
[23]



[25]



S stable



K clique

[26]

