

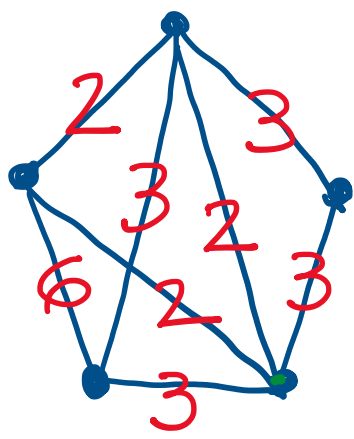
ESEMPIO ALGORITHM KRUSKAL

mercoledì 31 marzo 2021

17:06

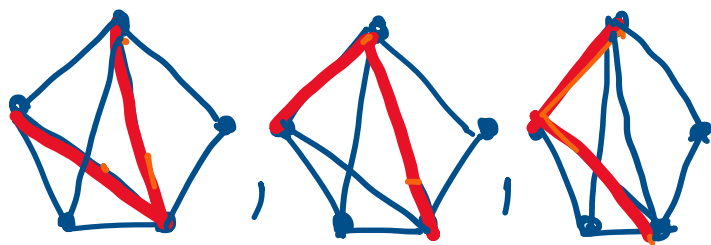
5 vertici
8 archi

$m=5$
 $m=8$

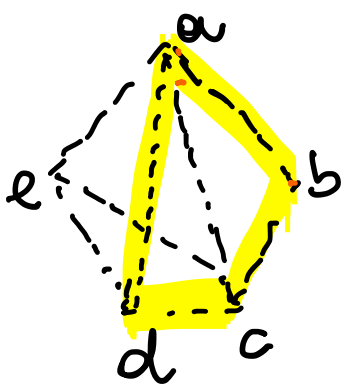


2, 2, 2, 3, 3, 3, 3, 6
per degli archi in ordine non decrescente

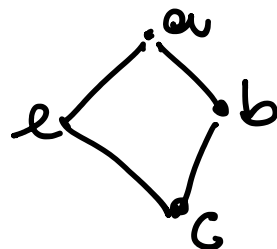
Possibili scelte dei primi due archi:



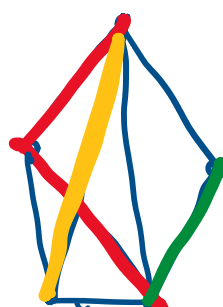
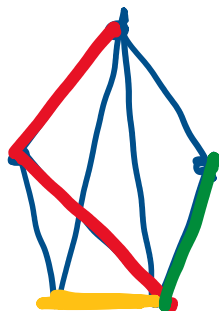
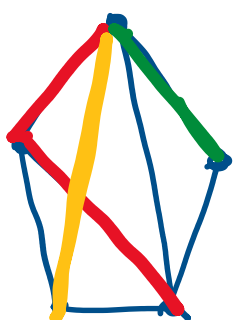
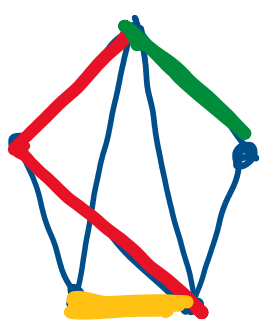
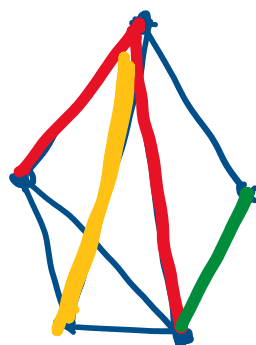
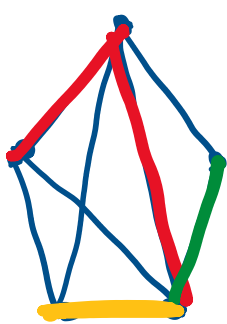
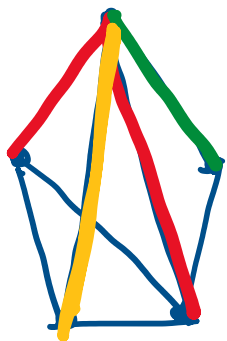
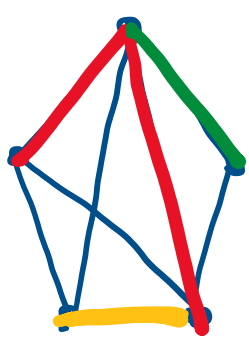
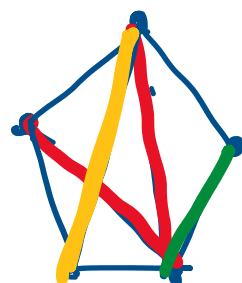
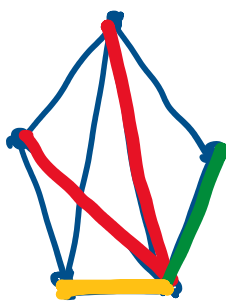
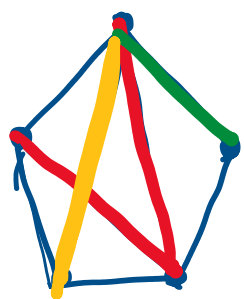
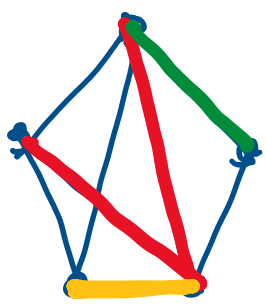
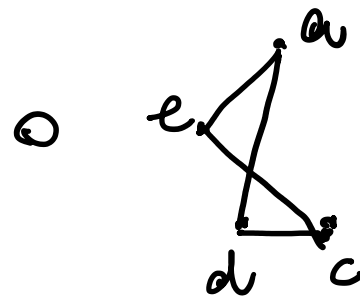
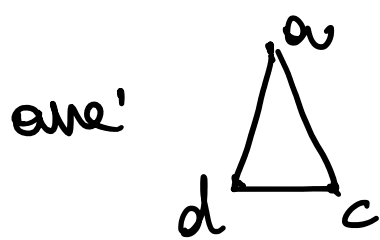
Non posso scegliere tutti e tre gli archi di peso 2



- non posso scegliere entrambi i archi ab e bc :
ma:



- non posso scegliere entrambi i archi ad e dc :



N.B L'arco di peso 6 non può essere aggiunto.

Questi sono tutti i possibili alberi di peso minimo.

Hanno tutti peso $2+2+3+3=10$

NB $m=5 \Rightarrow$ Tutti gli alberi hanno $m-1=5-1=4$ archi