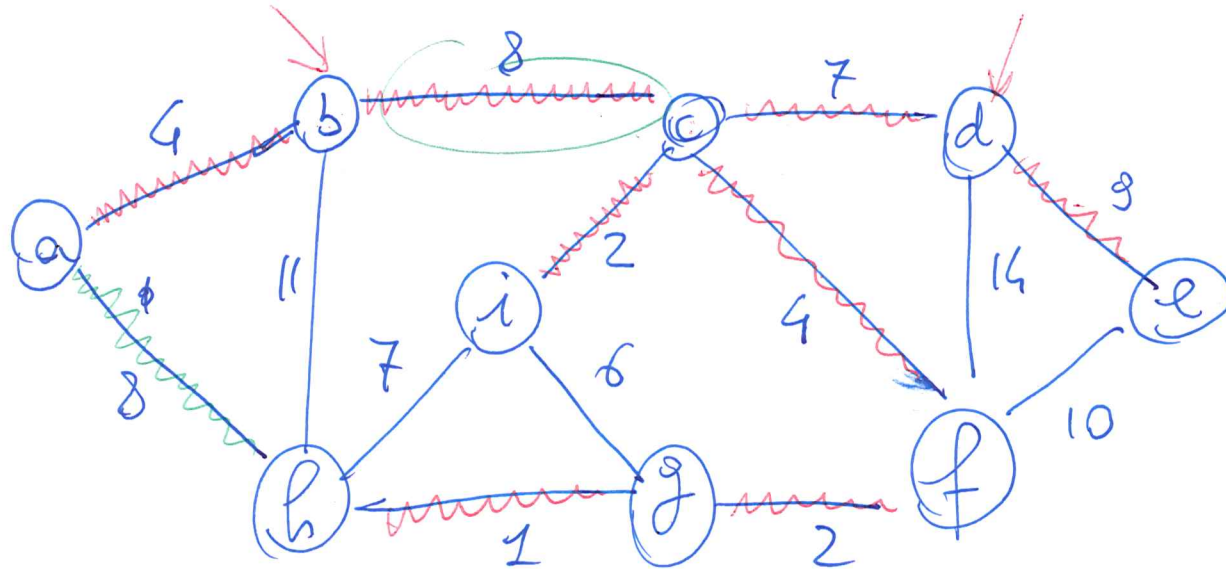


MINIMUM SPANNING TREE - ALBERO DI COPERTURA MINIMO



$O(m \lg n)$

$m = \# \text{ archi}$   
 $n = \# \text{ nodi}$

$4 + 8 + 7 + 9 + 4 + 2 + 2 + 1 = 37$

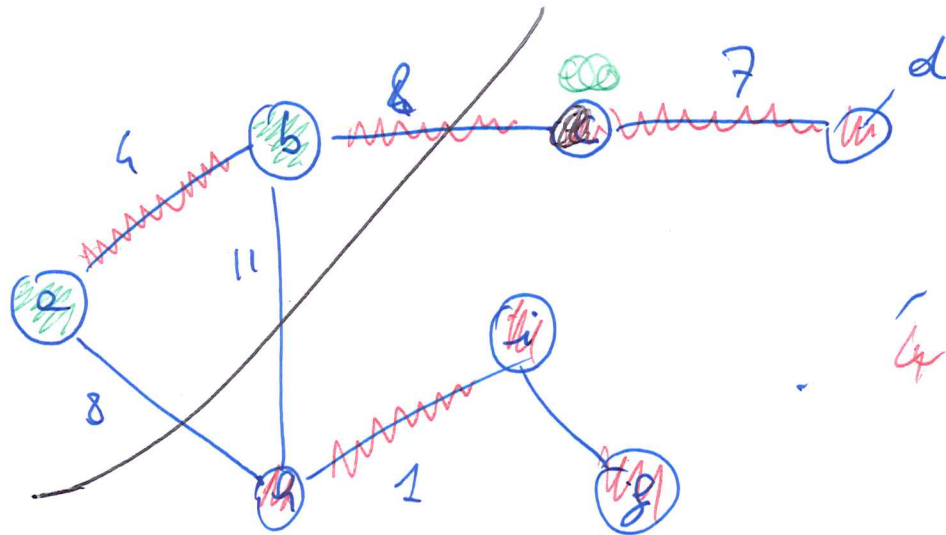
$- 8 - - - - - = 37$

ASDL-1617

03/02/2017

①

PR14



TAGLIO  $(N, \text{Mod} \setminus N)$

$N = \{a, b\}$  vedi.

$$A \cap \text{HSP} = \{(a,b), (c,d), (h,i)\}$$

$$\emptyset \subseteq \text{HSP}$$

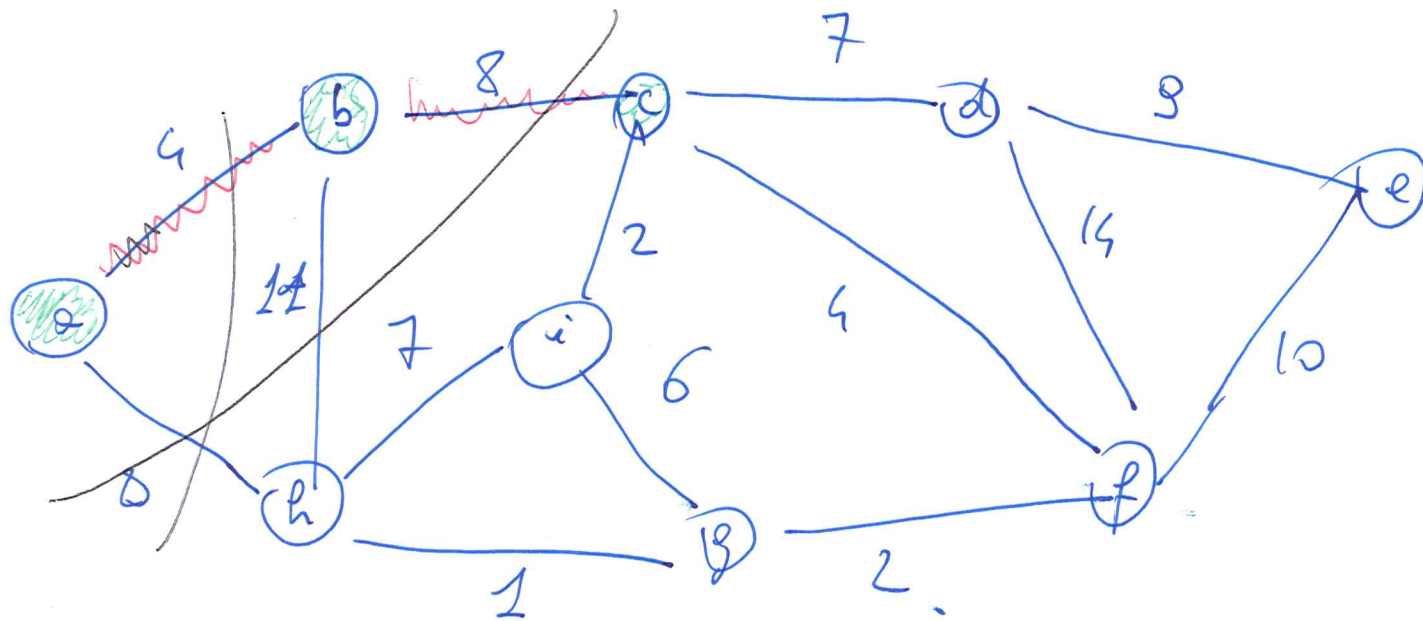
(2)

$$\underline{\underline{A \subseteq \text{HSP}}}$$

$\xrightarrow{Th}$   
 $\Rightarrow$

$$A + \boxed{(u,v)} \subseteq \text{HSP}$$

arco leggero è l'arco di un foglio che rispetta A con peso minimo

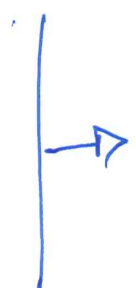


current\_node = a

$N = \{a\}$

$MSP = \{\}$

$TAG_{Uio} = \left\{ \begin{array}{l} (a,b) \\ \overline{(a,h)} \end{array} \right\}$



$c_m = b$

$N = \{a, b\}$

$MSP = \{(a,b)\}$

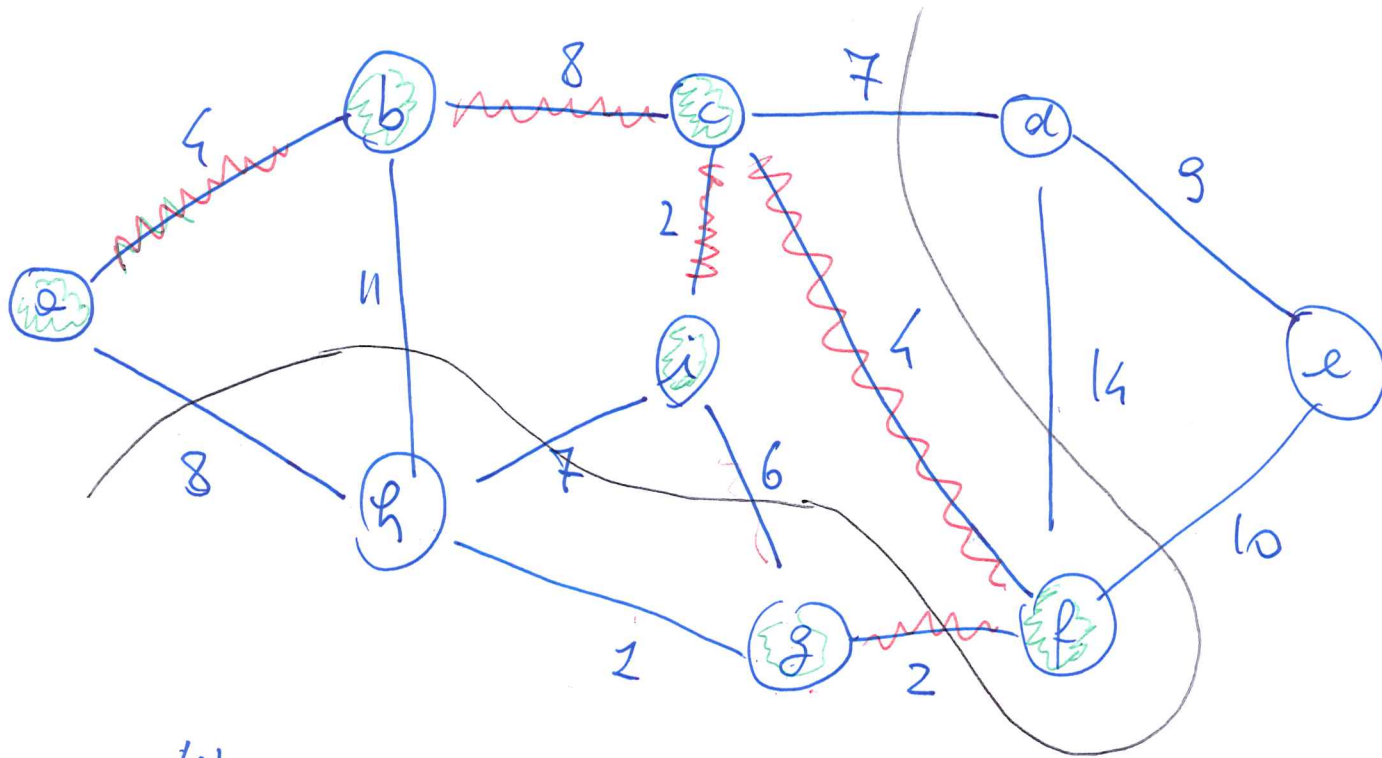
$TAG_{Uio} = \{(a,h), \underline{(b,c)}, (b,h)\}$

$c_m = c$

$N = \{a, b, c\}$

$\rightarrow MSP = \{(a,b), (b,c)\}$

$TAG_{Uio} = \{(a,h), (b,h), (c,i), \overline{(c,f)}, \overline{(c,d)}\}$



c-m = f

$N = \{a, b, c, i, f\}$

$MSP = \{(a, b), (b, c), (c, i), (c, f)\}$

$TAGLIO = \{(a, h), (b, h), (h, i), (i, f), (g, f), (e, f), (d, f), (c, d)\}$

TOGLIERE

TOGLIERE

c-m = g

$N = \{a, b, c, i, f, g\}$

$MSP = \{(a, b), (b, c), (c, i), (c, f), (g, f)\}$

$TAGLIO = \{(g, h), (a, h), (b, h), (e, f), (d, f), (c, d)\}$

NEW

4

