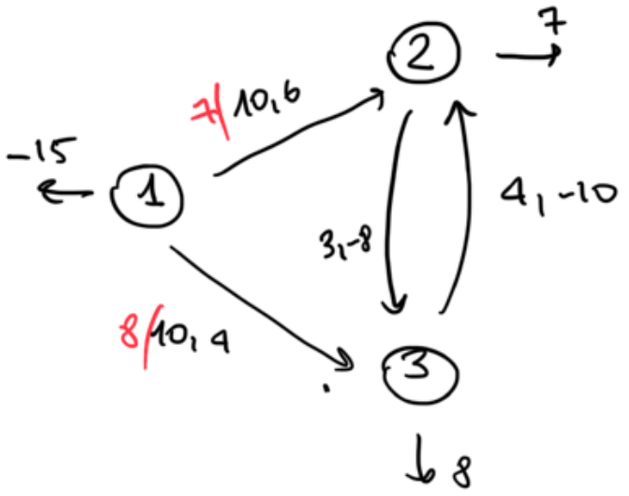
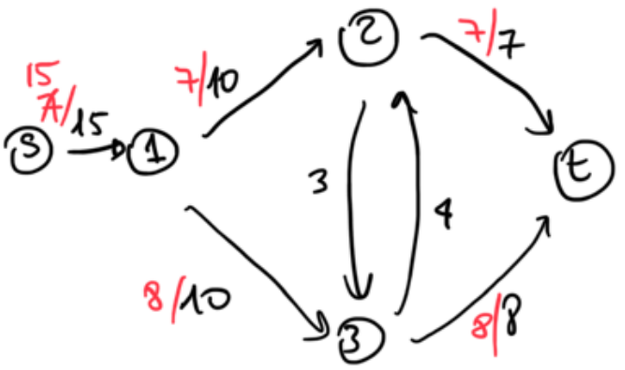
MCF - Cancellazione di cicli.

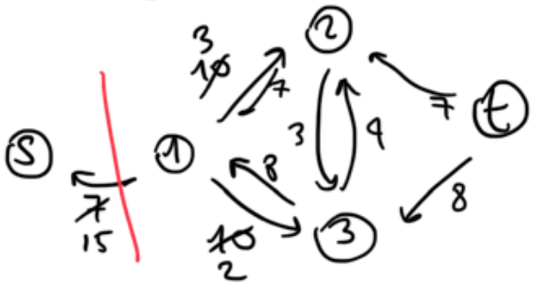



1° FASE: trovo un flusso ammissibile

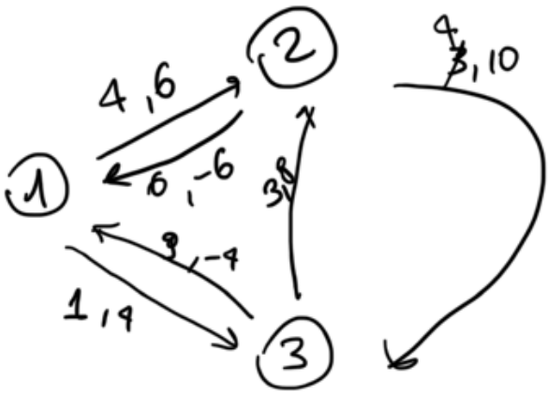


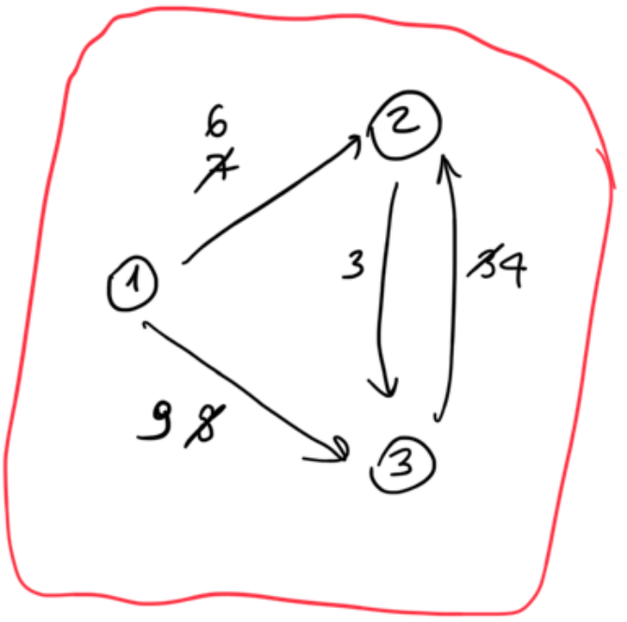

Calcoliamo il flusso massimo in questa rete.

USO E-K.

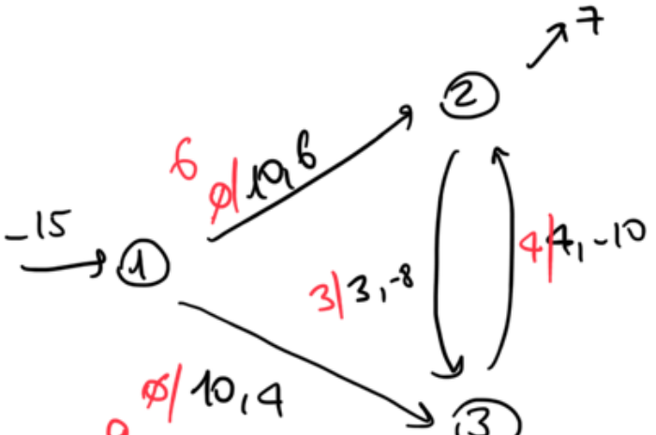


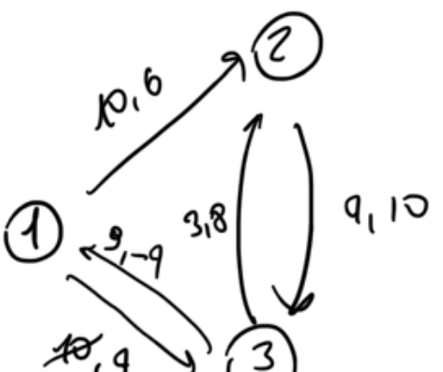

S-1-2-t
S-1-3-t


MCF - Cammini minimi successivi



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Si modelli in PLI l'accoppiamento perfetto di costo minimo.

$(N, A)$ $\quad N = N_1 \cup N_2 \quad N_1 \cap N_2 = \emptyset$

Variabili:

$$x_{ij} = \begin{cases} 1 & \text{se l'arco } (i,j) \in E \\ 0 & \text{altrimenti} \end{cases} \qquad (i,j) \in A$$

funzione obiettivo:

$$\min \sum_{(i,j) \in A} x_{ij} \cdot c_{ij}$$

vincoli:

$$\sum_{j \mid (i,j) \in A} x_{ij} = 1 \qquad \forall i$$

$$\sum_{i \mid (i,j) \in A} x_{ij} = 1 \qquad \forall j$$

$$\left( \sum_{(i,j) \in A} x_{ij} = \frac{|N|}{2} \right) \text{ incluso nei primi due}$$

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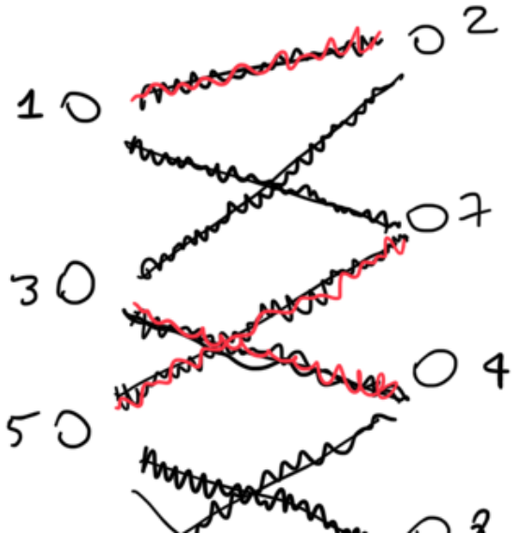


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