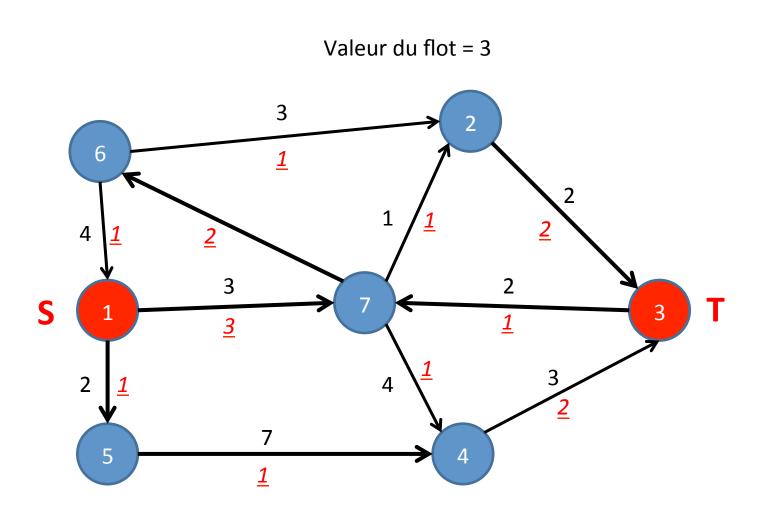
# Flot et chaines augmentantes

Master 1 informatique

Université de Versailles St Quentin

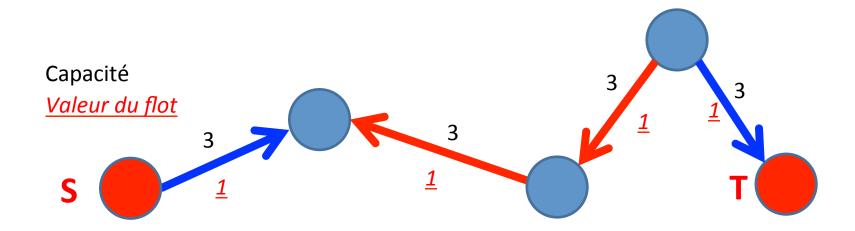
#### Réseau de flot et flot



#### Définition d'une chaine augmentante

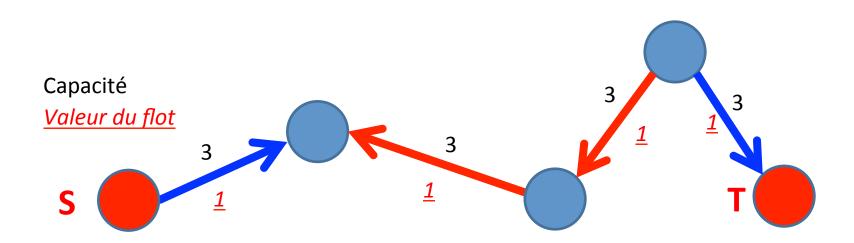
Chaine augmentante = chaine entre S et T telle que

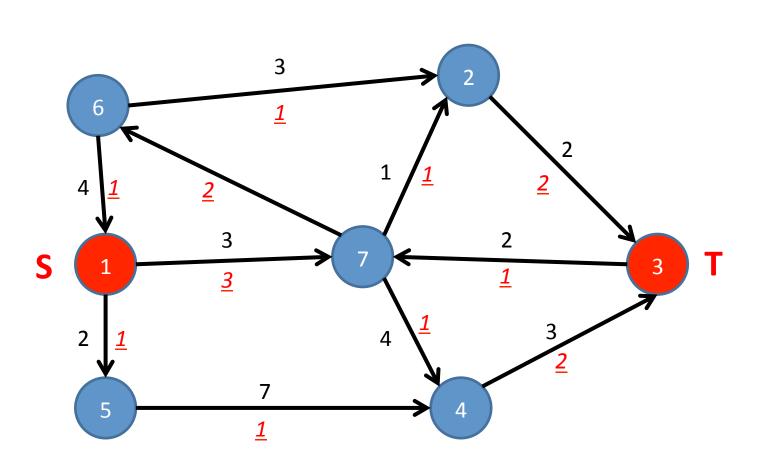
- Sur tout lien orienté de S vers T, le flot ne sature pas la capacité
- Sur tout lien orienté de T à S le flot est non nul

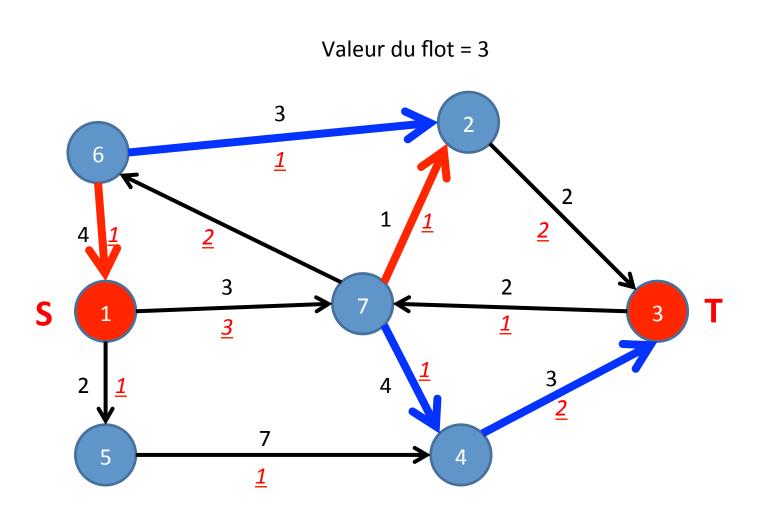


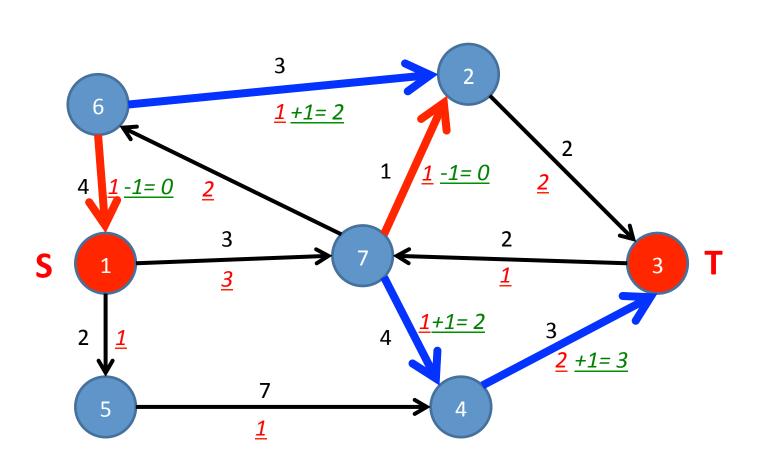
#### Théorème de Ford et Flukertson

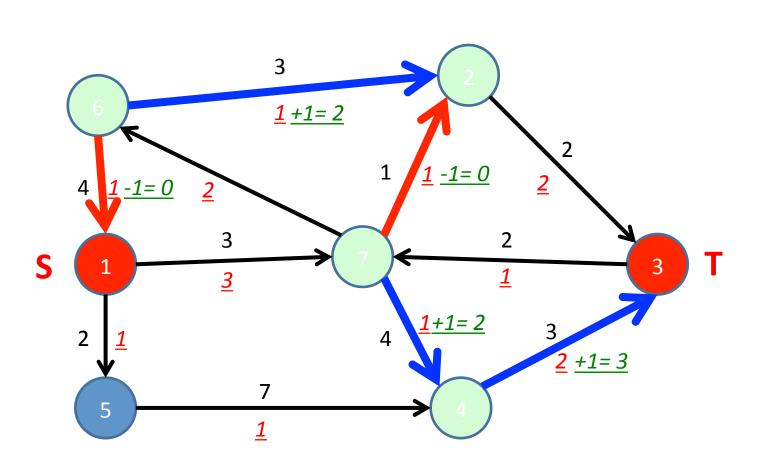
Un flot dans un réseau est maximum s'il n'y admet pas de chaine augmentante.







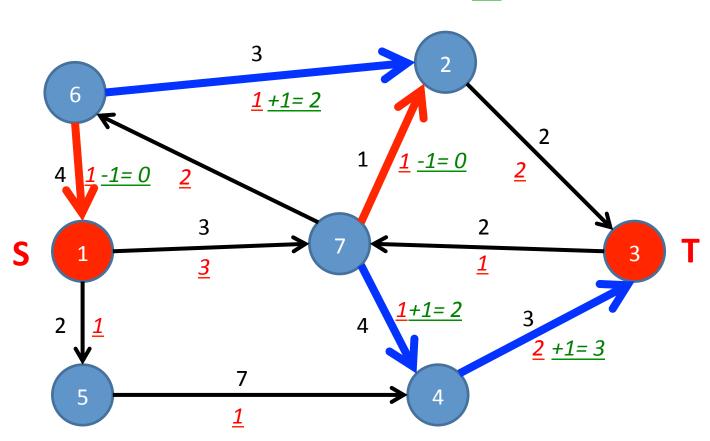


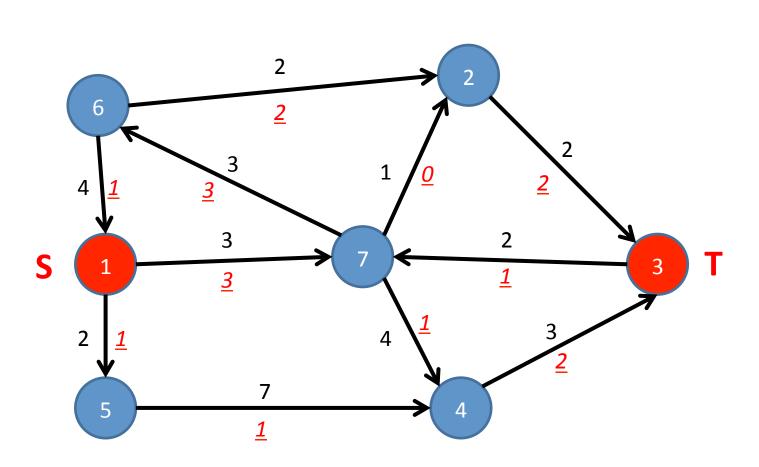


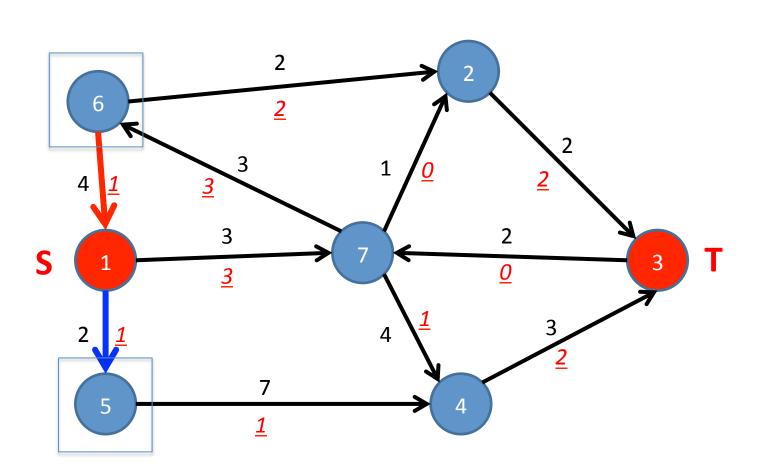
=

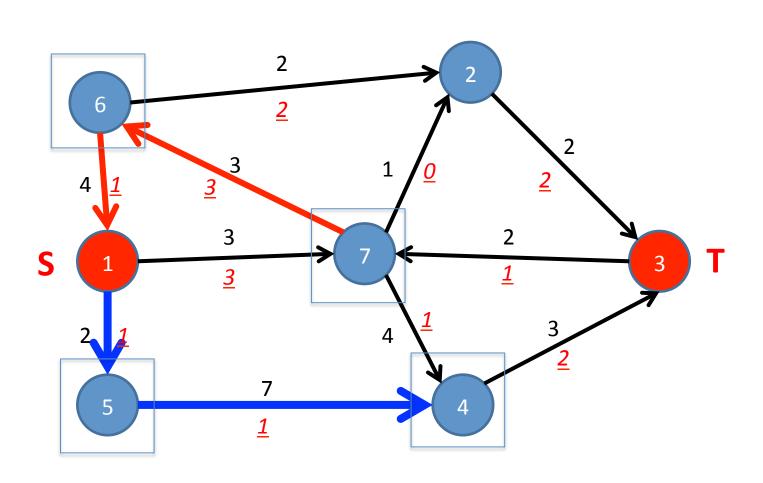
#### Augmentation du flot

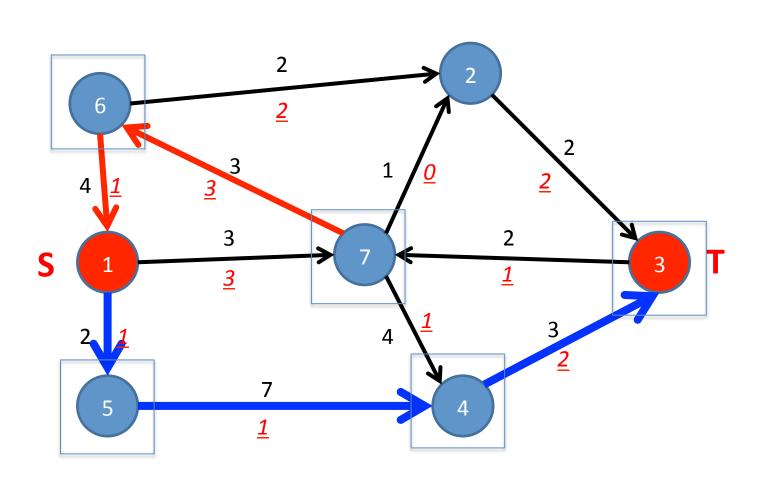
Valeur du flot = 3 + 1 = 4





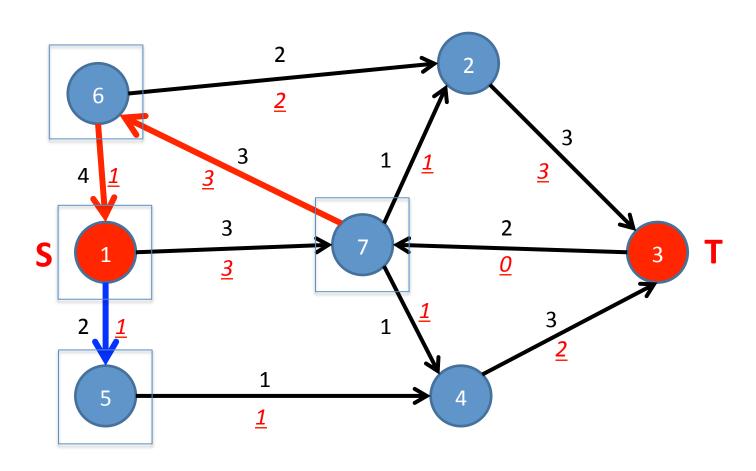






# Flot max. et coupe min.

Valeur du flot = 5



# Flot max. et coupe min.

