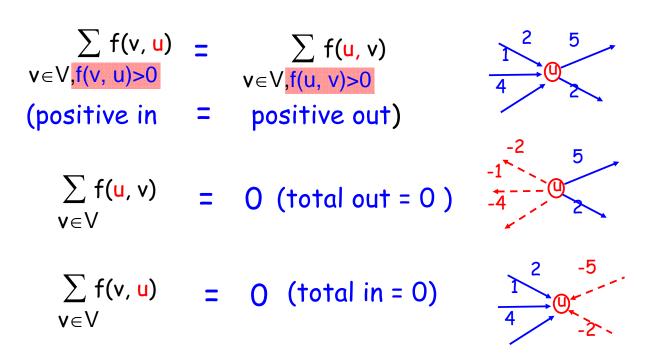
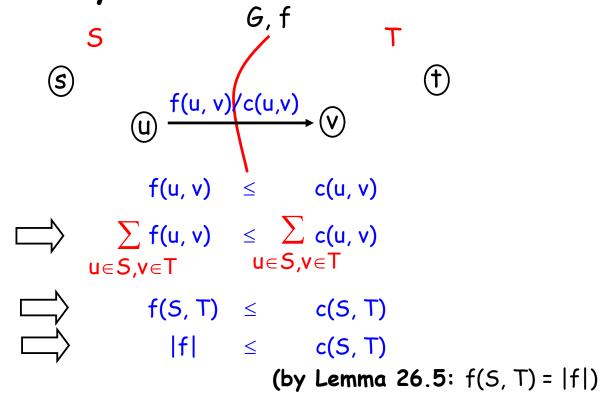


26-2a

Flow Conservation: for all $u \in V - \{s, t\}$

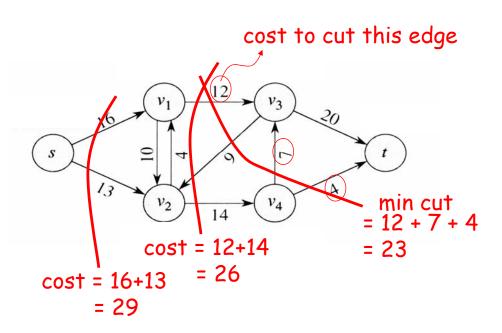


Corollary 26.6

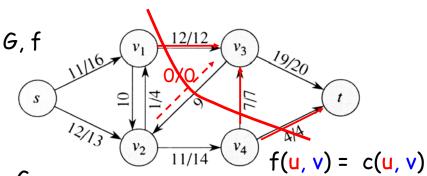


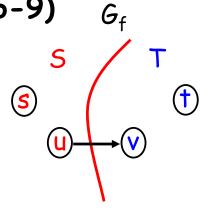
The min cut problem

26-7a



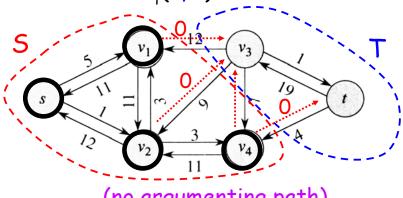
Thm. 26.7(2)-->(3) (See 26-9)





 G_{f}

$$c_f(u, v) = 0$$



 $\Rightarrow c_f(\mathbf{u}, \mathbf{v}) = 0$

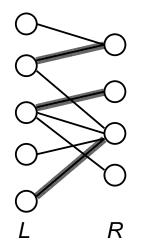
no augmenting path

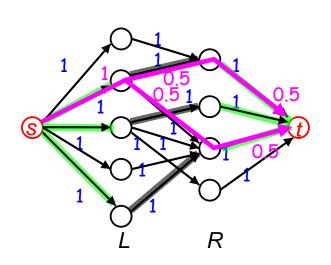
$$c_f(\mathbf{u},\mathbf{v}) = 0$$

$$\Rightarrow$$
 f(u, v) = c(u, v)

$$\Rightarrow f(S,T) = c(S,T)$$

(no argumenting path)





* matching ---> flow

* flow ->-> matching? * integer flow ----> matching

* integer flow <---> matching

max integer flow <---> max matching

26-11a