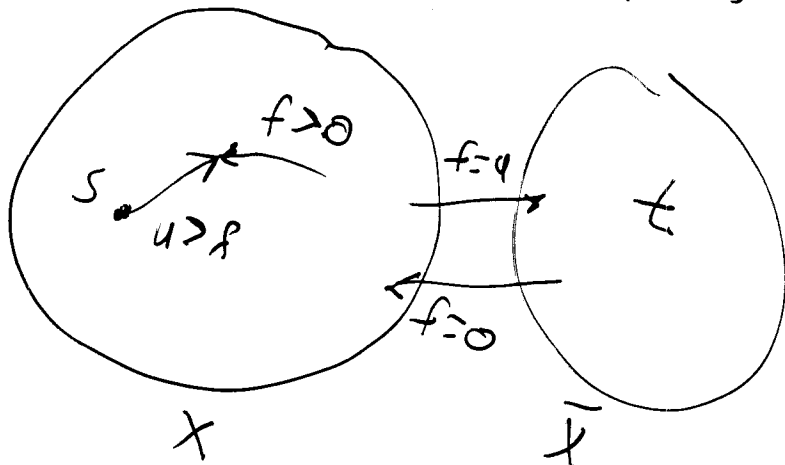


$$\text{cap}(X, \bar{X}) = \sum u \text{ across cut}$$

For any flow $f(X, \bar{X}) = \sum f \text{ from } X \text{ to } \bar{X}$
 $- \sum f \text{ from } \bar{X} \text{ to } X$

$$\text{flow value} = f(X, \bar{X}) \leq \text{cap}(X, \bar{X})$$



$$\text{max flow} = \text{min cut}$$