

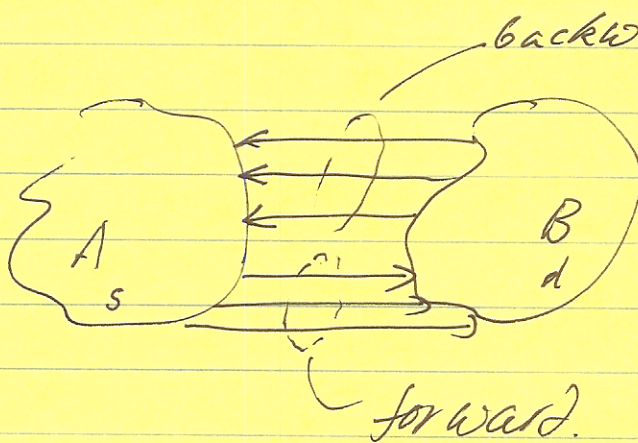
Algorithm outline

- find augmenting path
- max flow on this path

- Efficiency depends on details of how path is found

Now, consider a disconnecting cut

- set of edges that disconnects s, d
- divide verts into A, B st $A \cup B = V$ and $A \cap B = \emptyset$ and $s \in A, d \in B$



- total flow $A \rightarrow B = \sum_{\text{forward}} - \sum_{\text{backward}}$