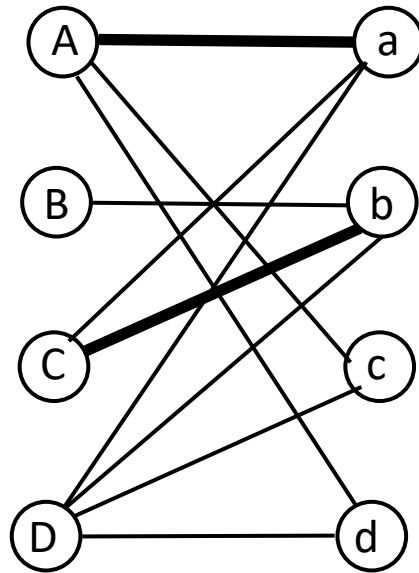
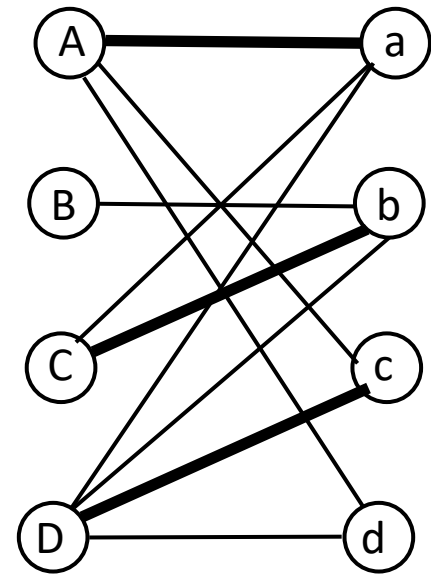


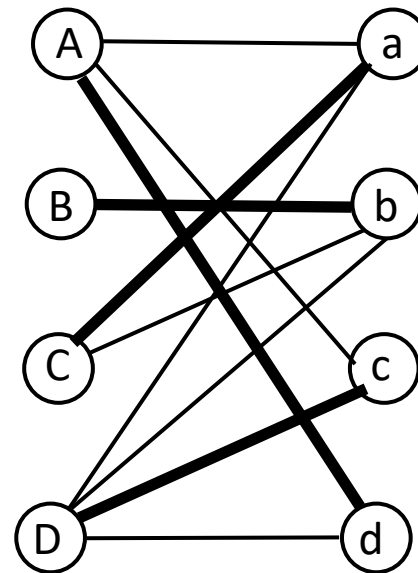
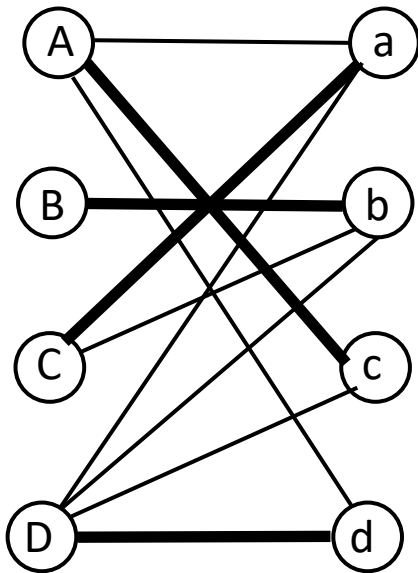
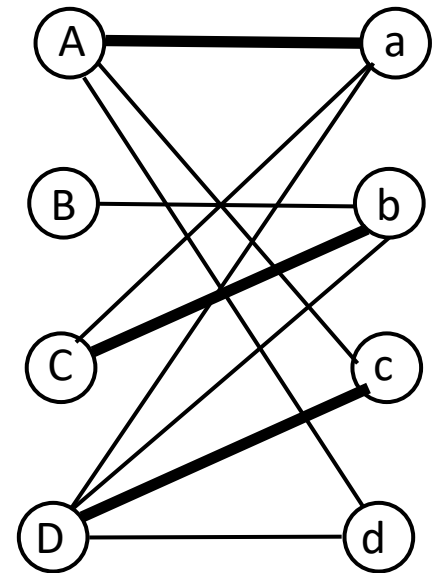
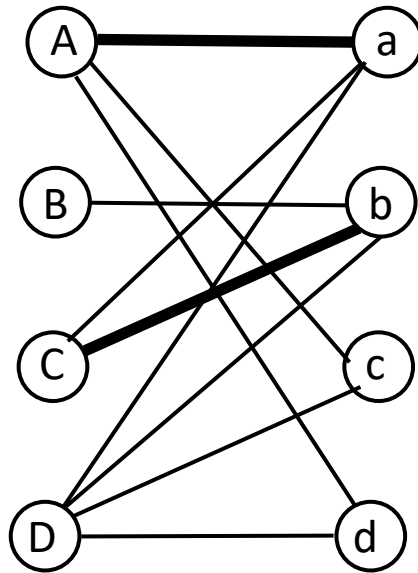
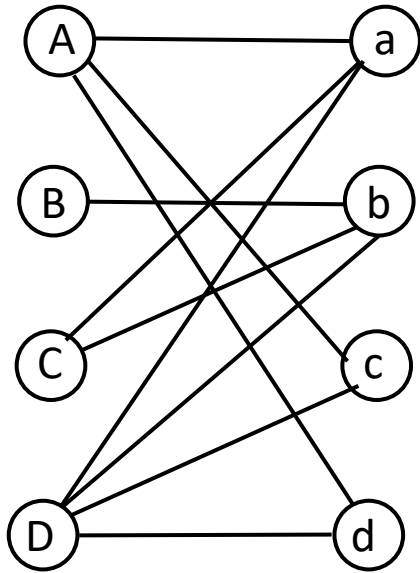
Bipartite graph G



A matching of size 2

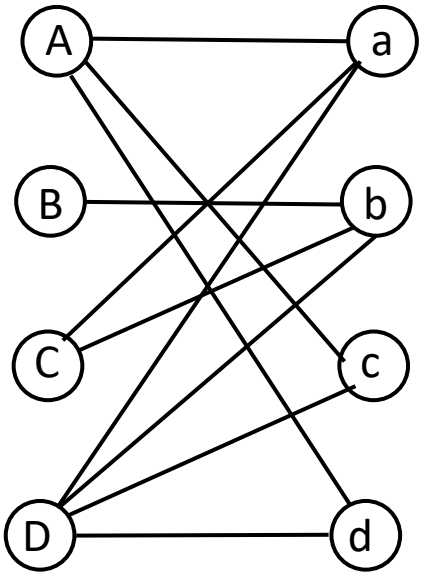


A matching of size 3
maximal, but
not maximum

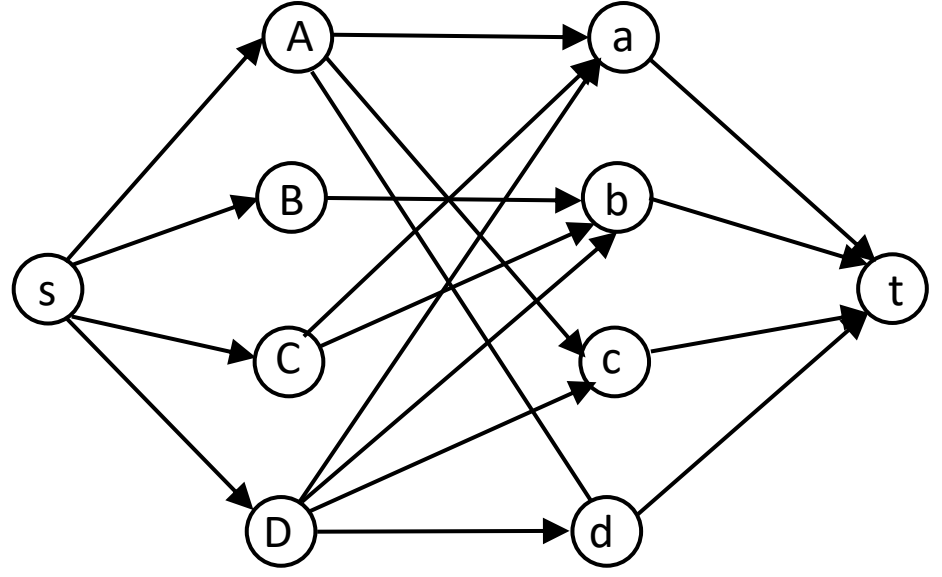


A maximum matching

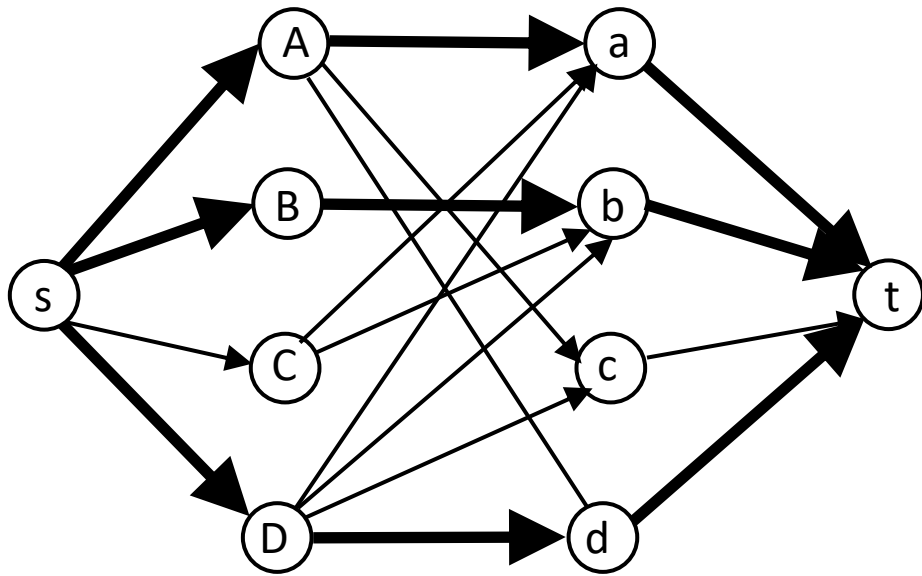
Another maximum matching



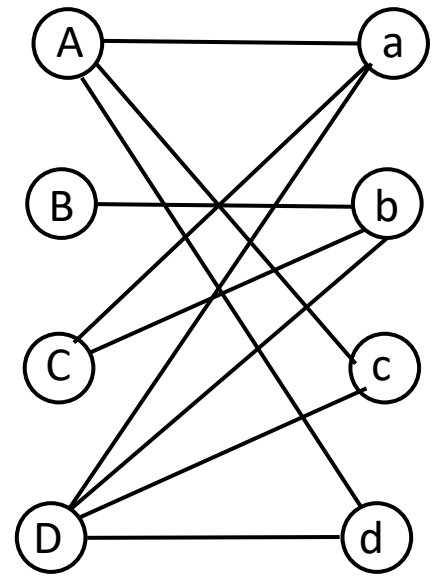
Bipartite graph G

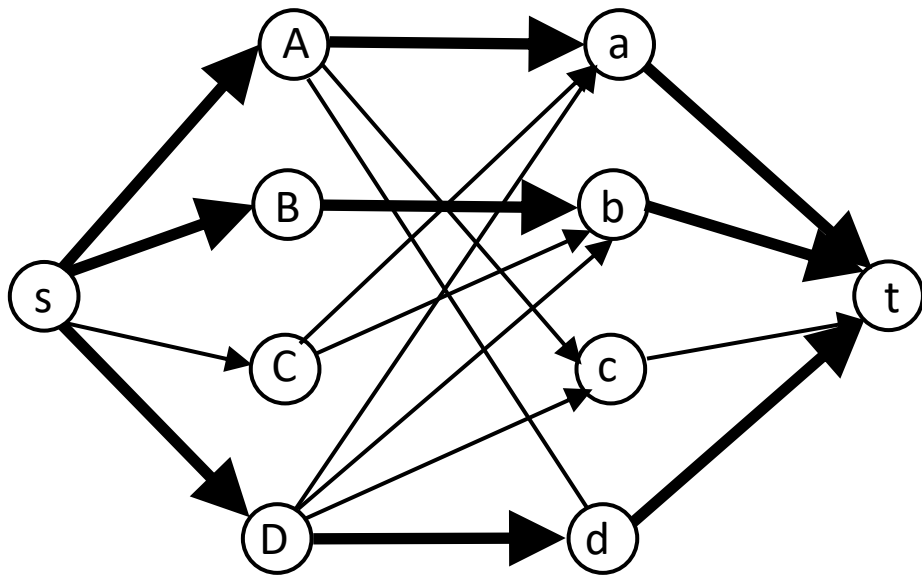


Flow network \mathcal{F} corresponding to G (all capacities = 1)

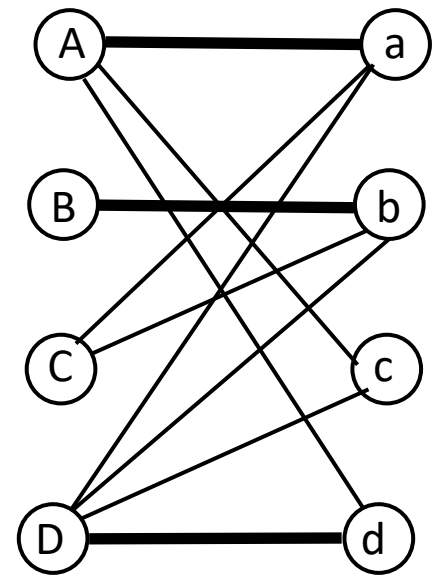


Flow
of value 3 in \mathcal{F}

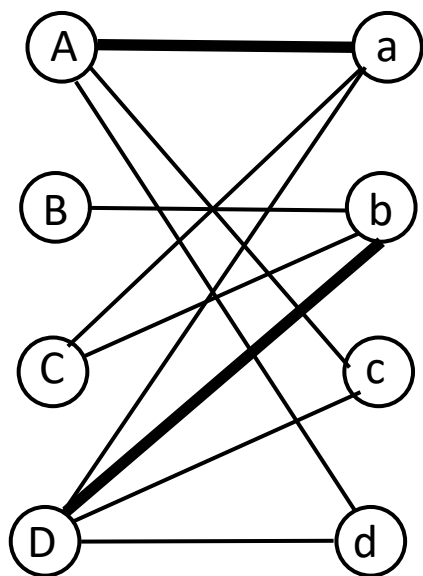




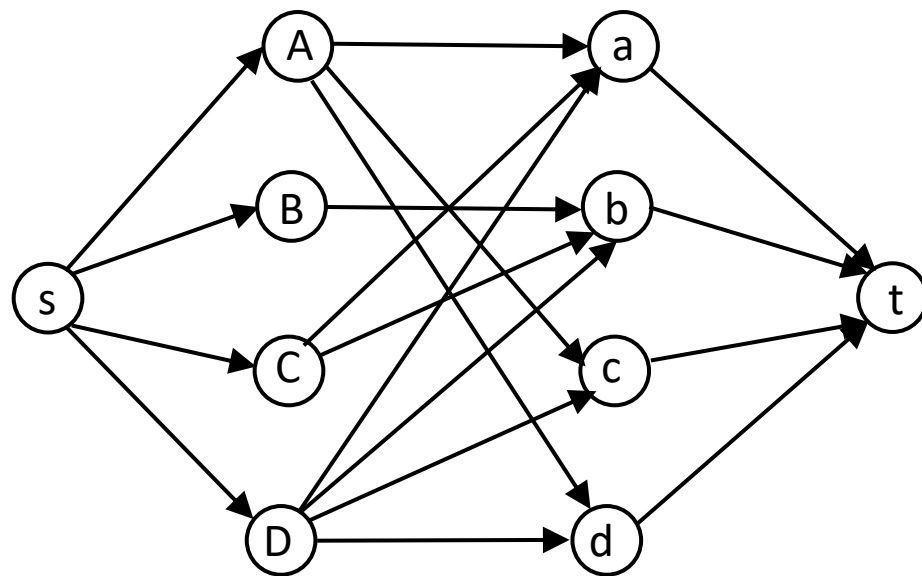
Flow
of value 3 in \mathcal{F}

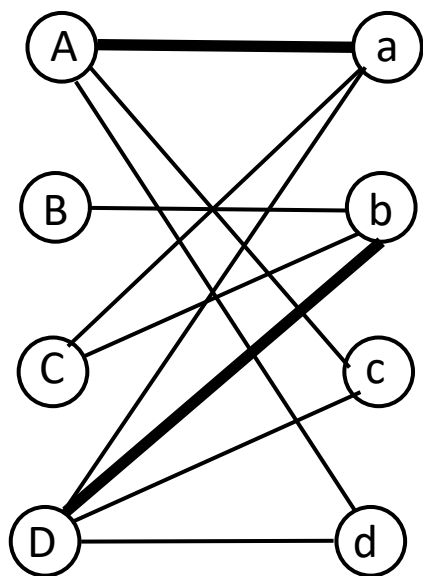


Corresponding matching
of size 3 in G

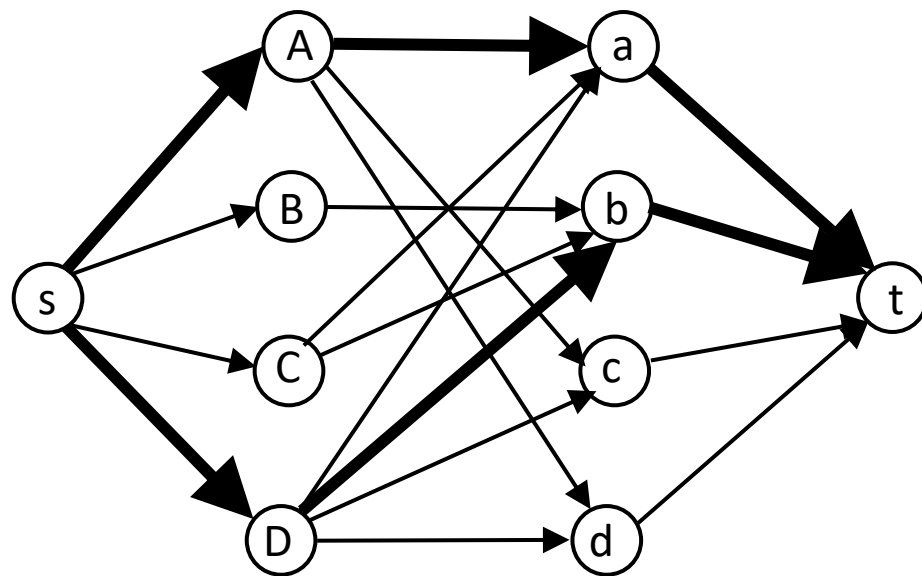


Matching
of size 2 in G



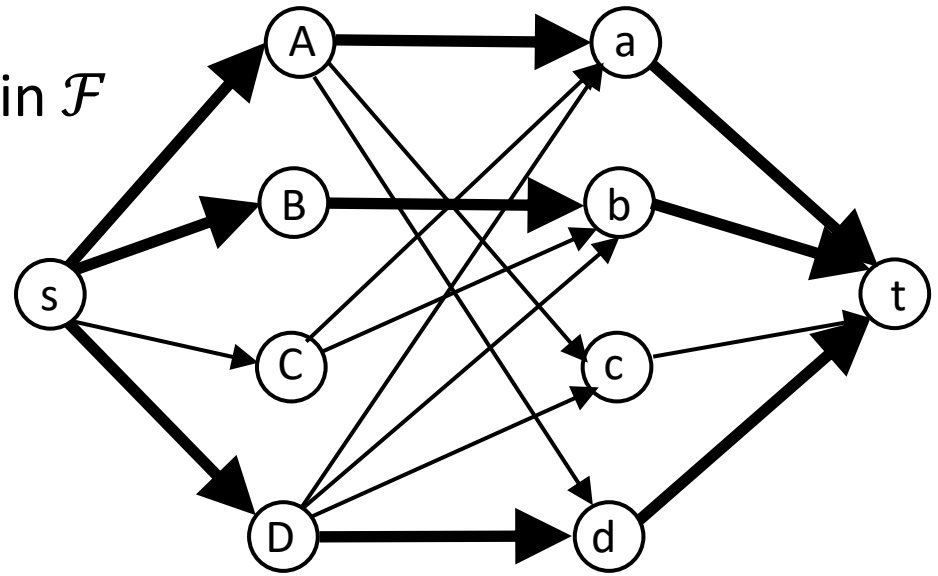


Matching
of size 2 in G

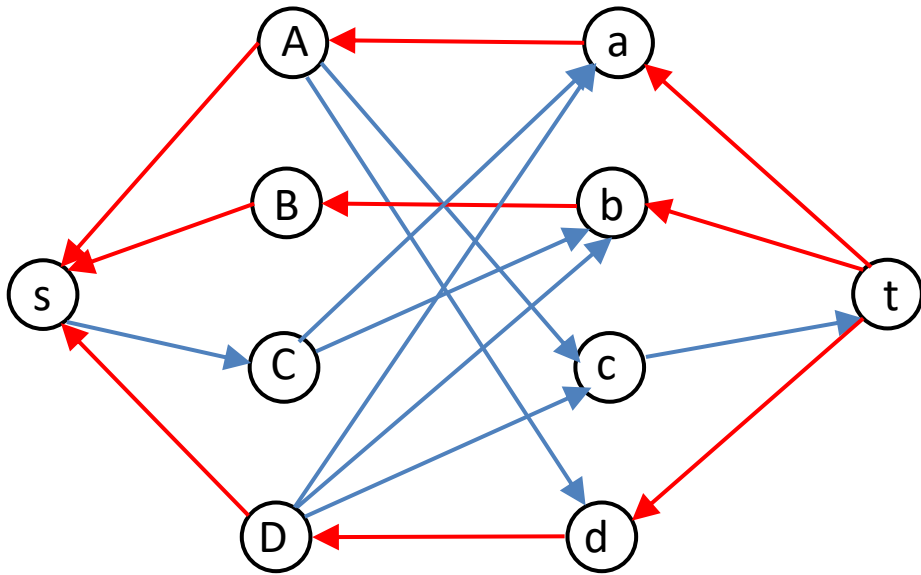


Corresponding flow
of value 2 in \mathcal{F}

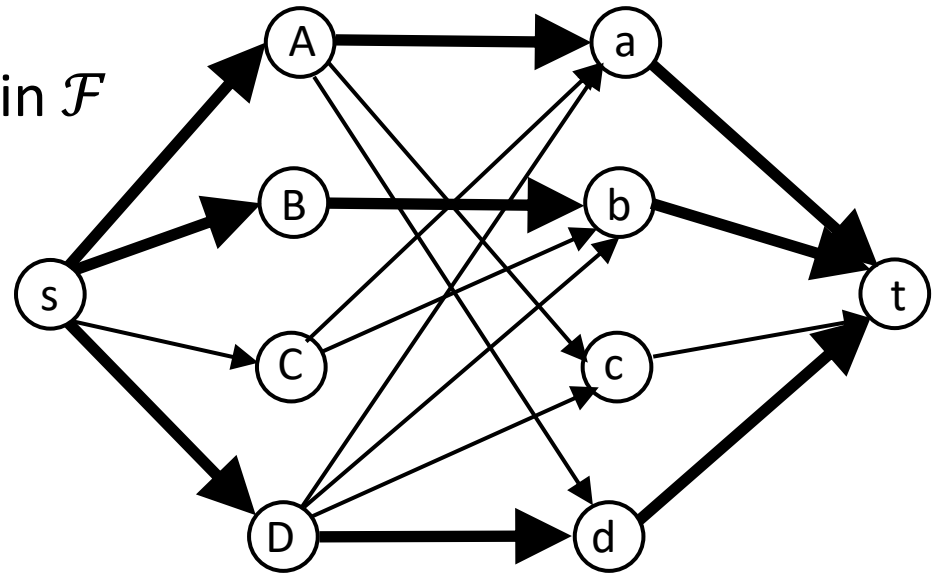
Flow
of value 3 in \mathcal{F}



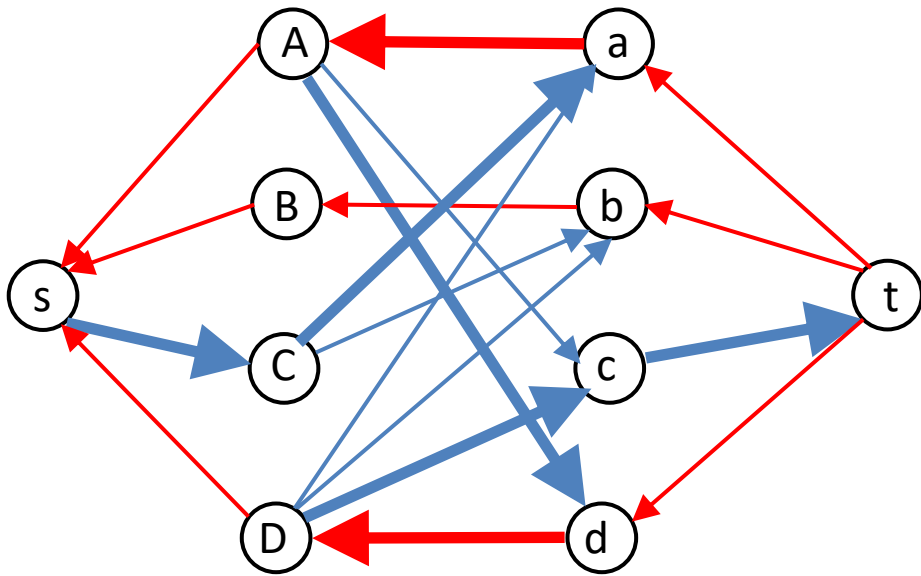
Residual graph



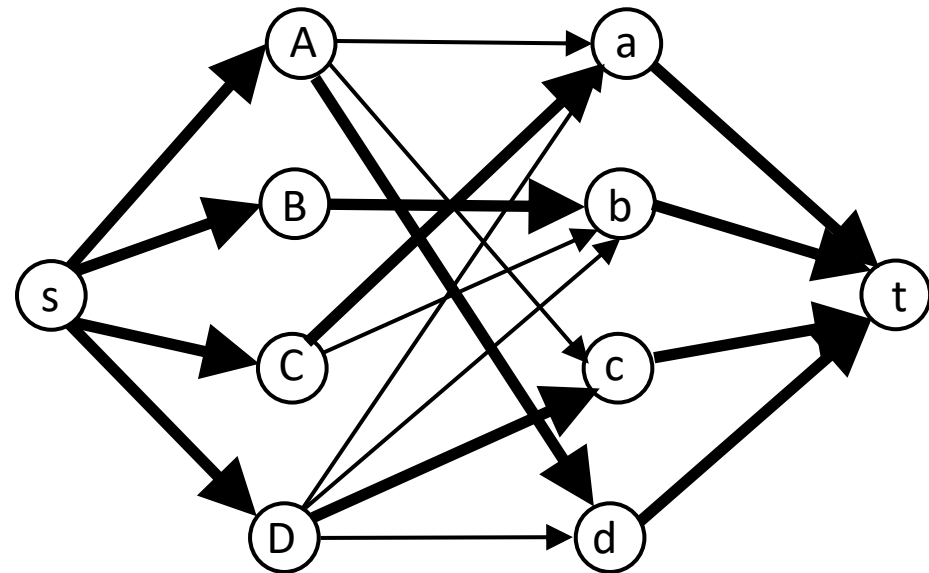
Flow
of value 3 in \mathcal{F}



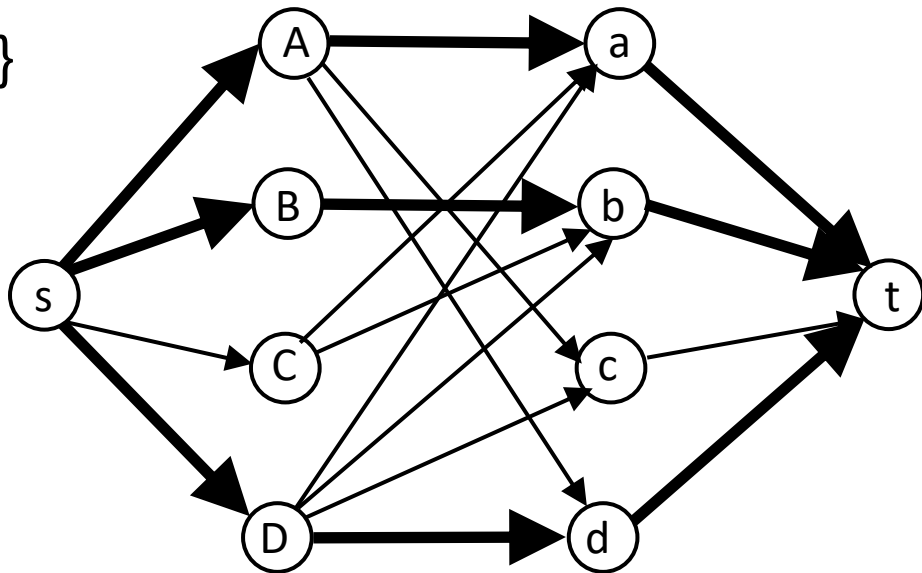
Residual graph



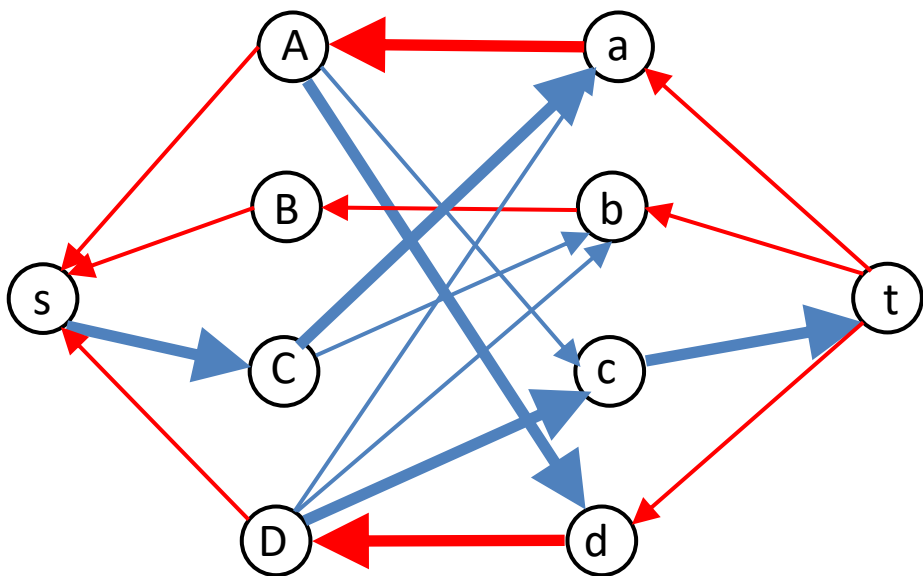
Augmented flow
of value 4 in \mathcal{F}



Flow of value 3 in \mathcal{F}
 Matching = $\{\{A,a\},\{B,b\},\{D,d\}\}$



Residual graph



Augmented flow of value 4 in \mathcal{F}
 Matching = $\{\{A,d\},\{B,b\},\{C,a\},\{D,c\}\}$

