

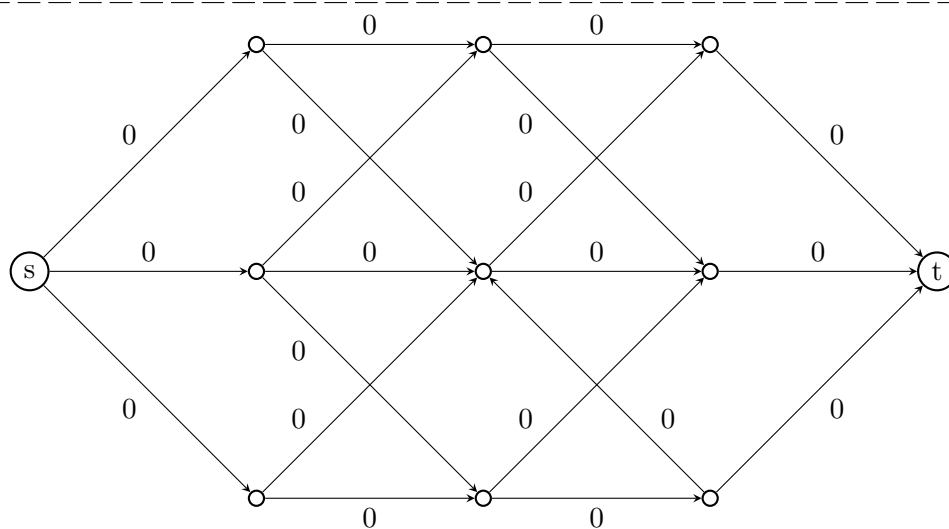
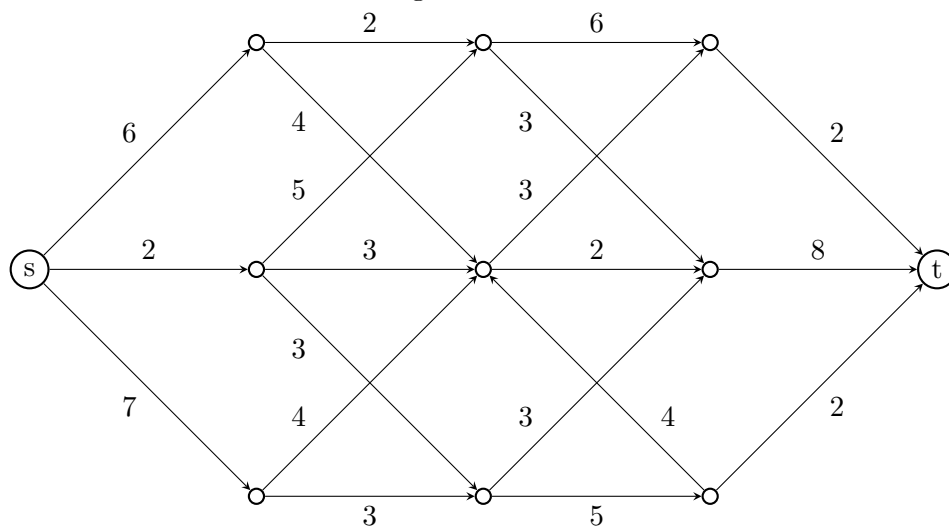
Graph Algorithms and Complexity Theory - Coursework 1

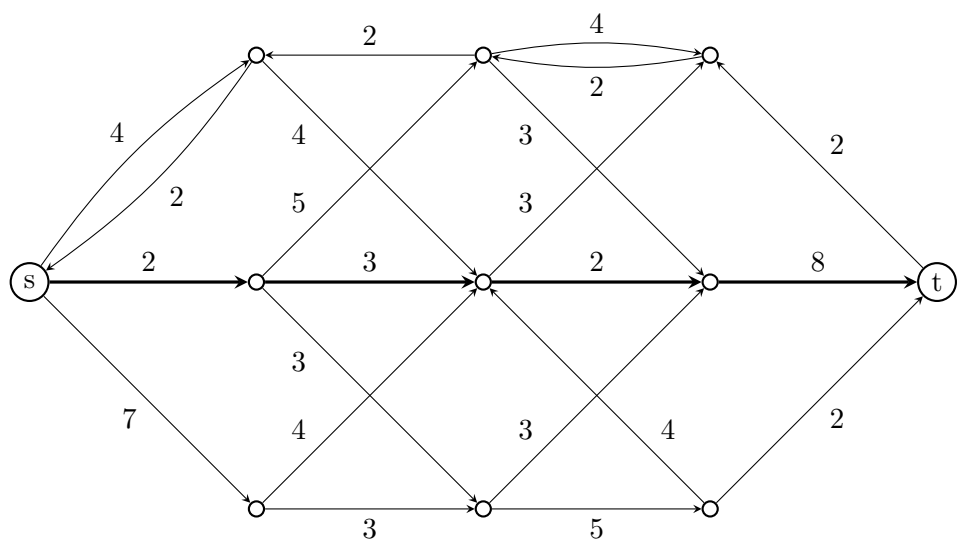
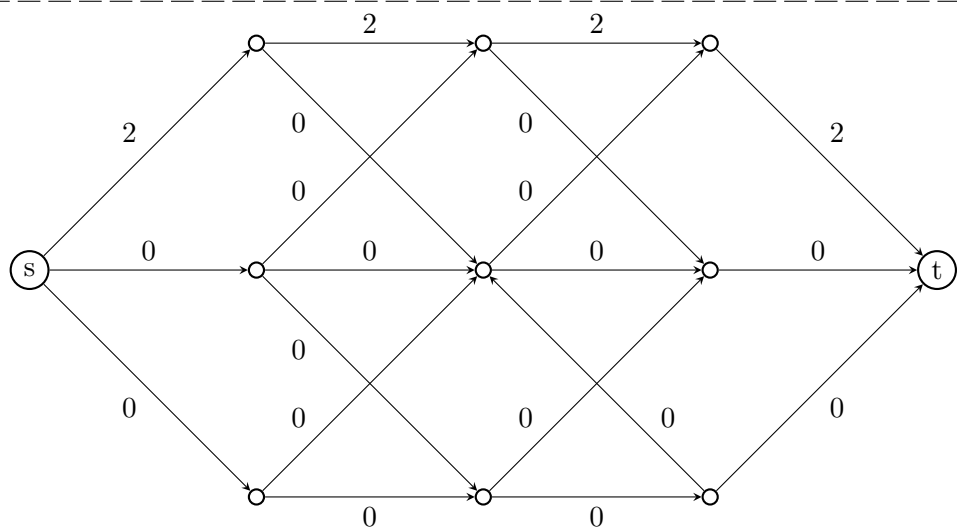
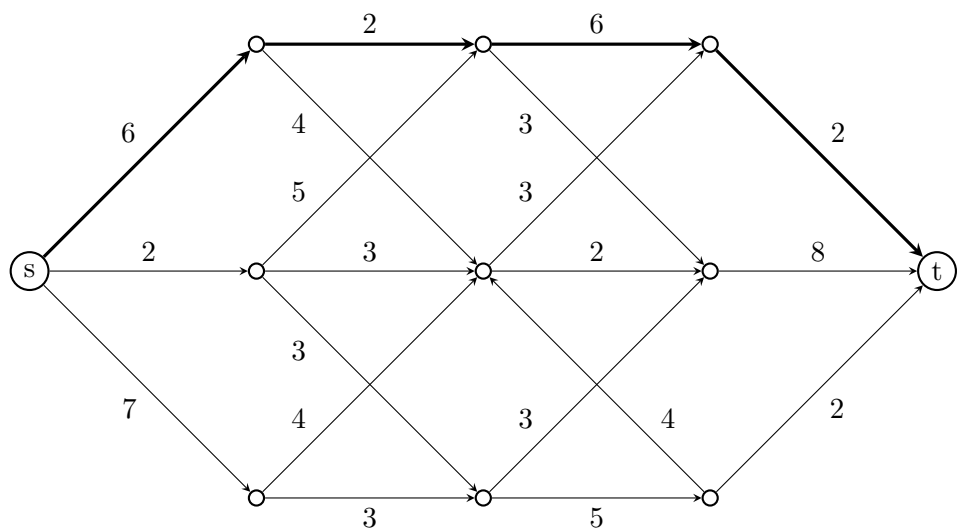
Oskar Mampe

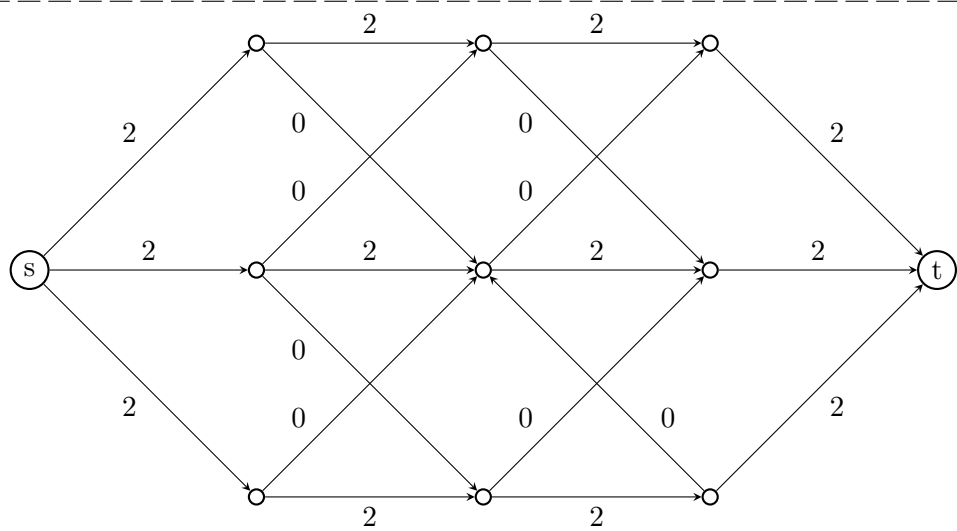
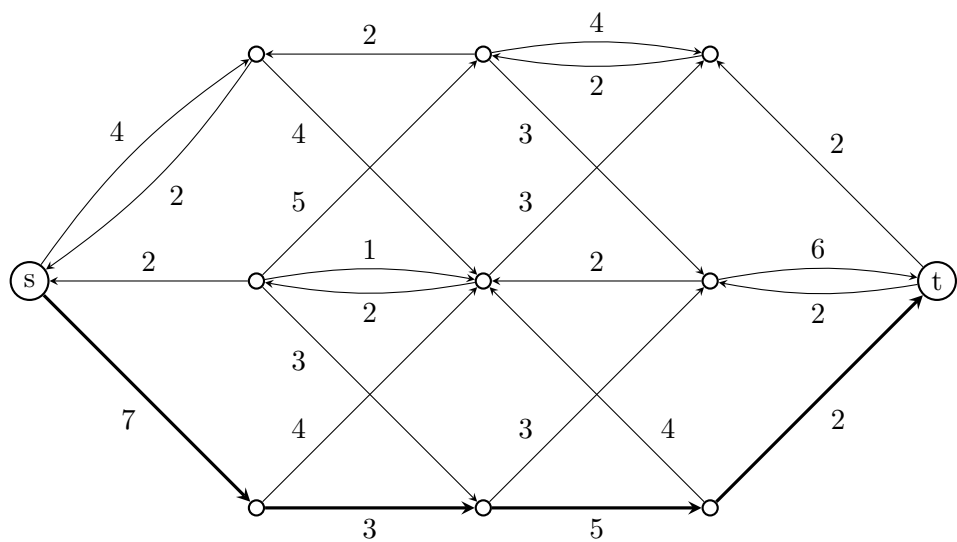
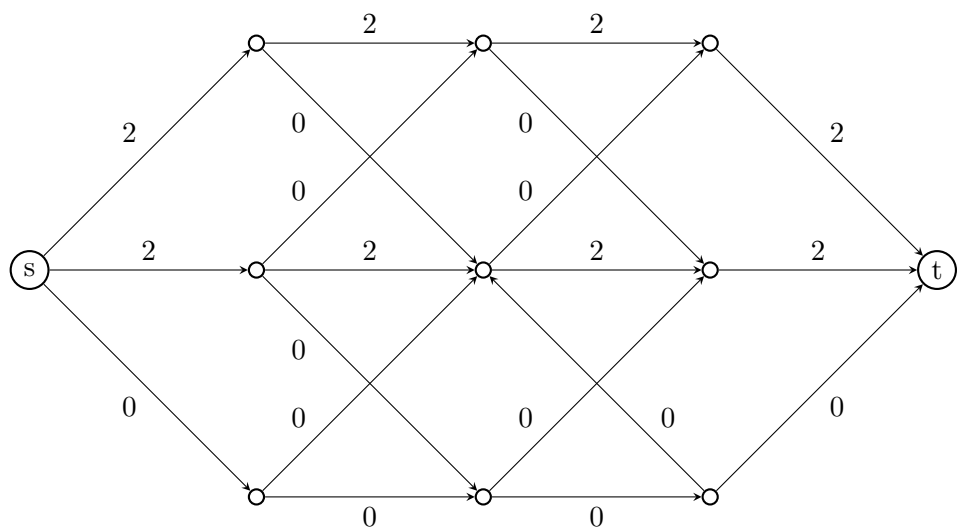
Semester 1 Session 2019–2020

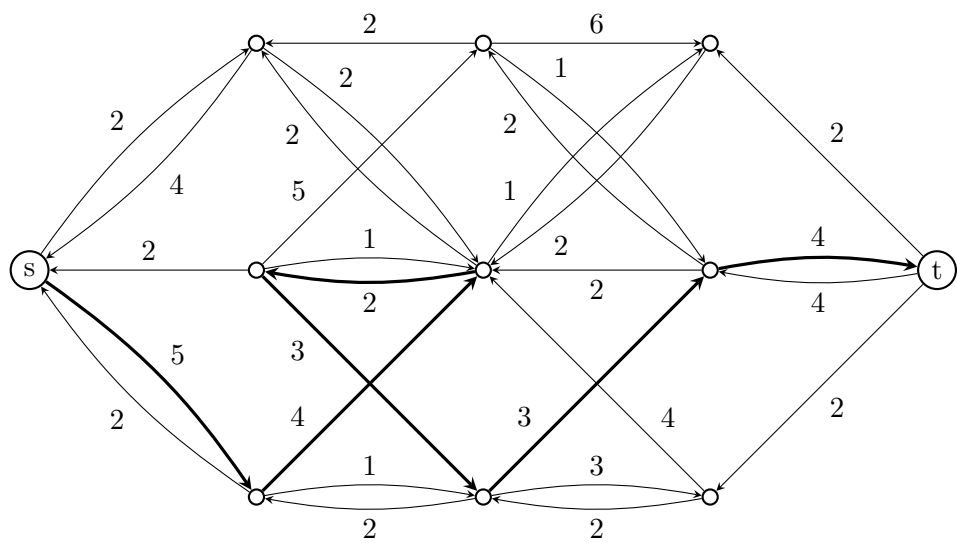
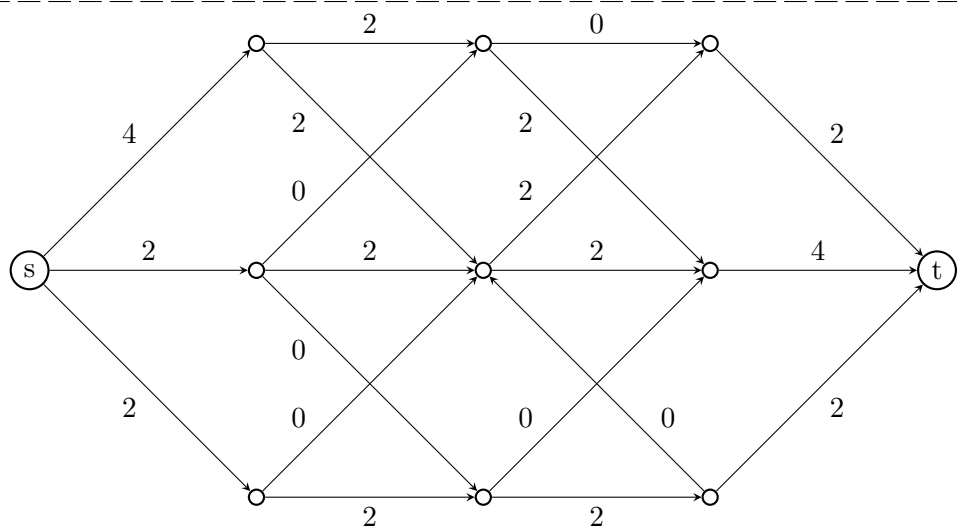
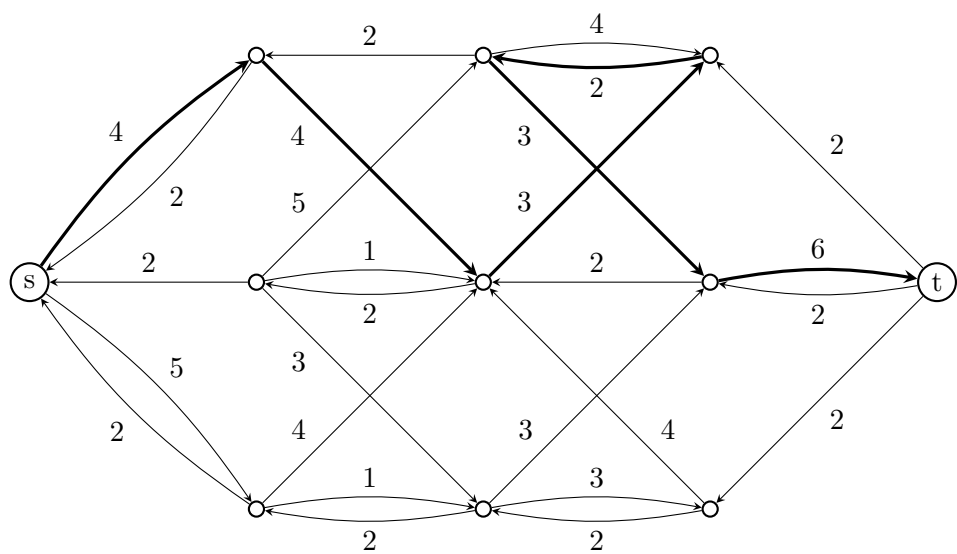
We compute a maximum flow in this network and find a minimum cut as follows. The left column shows the actual flow and the right column shows the residual network with residual capacities and an augmenting path indicated by bold edges.

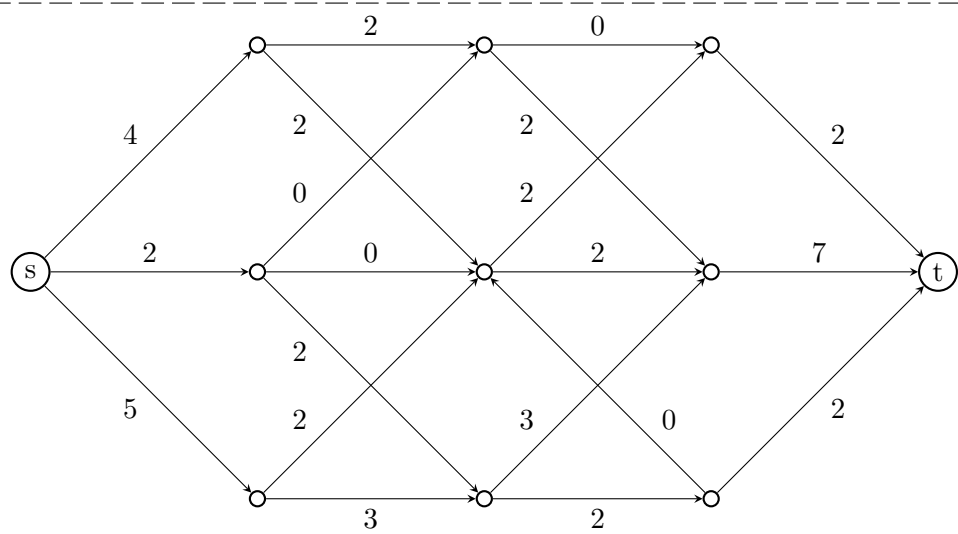
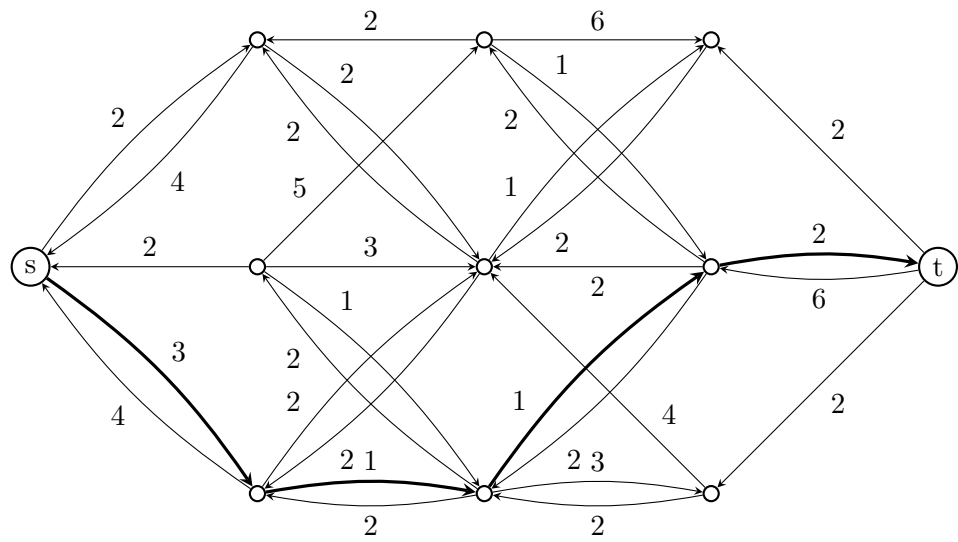
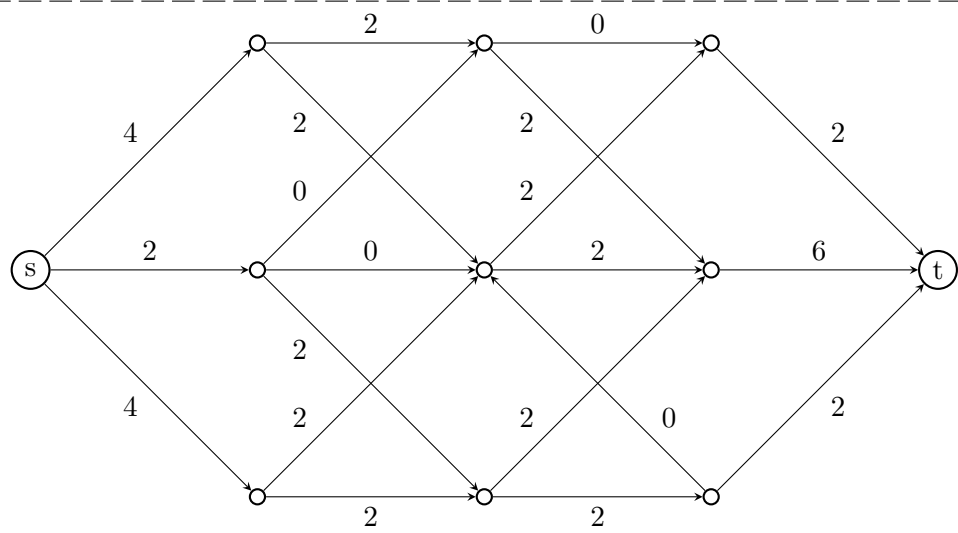
Original Network:

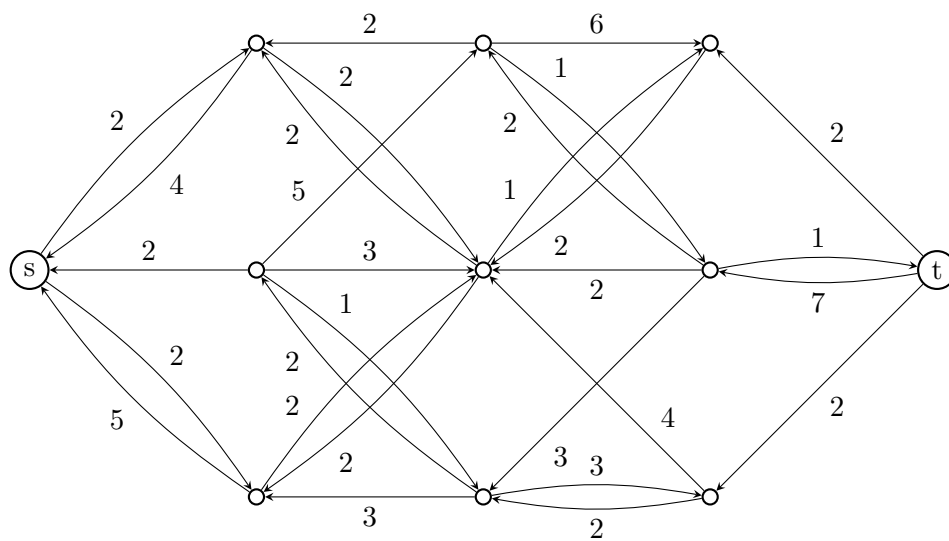












1. The last flow has value 11.
2. A minimal cut is indicated by the dashed lines.