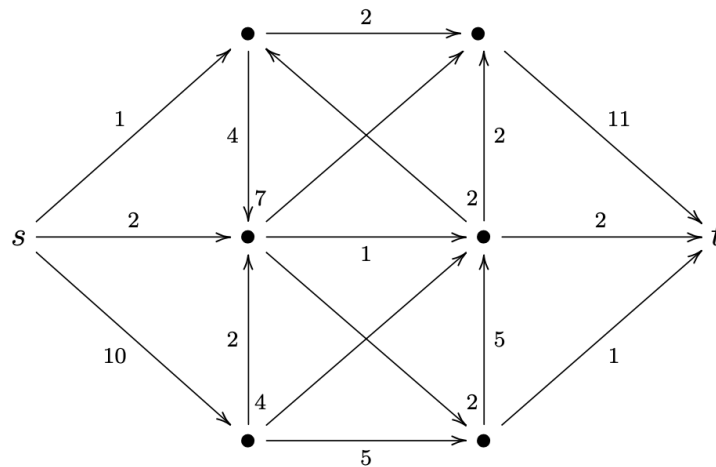


# Max-flow min-cut

## Math 4707, Spring 2021

August 24, 2022

Find a maximum flow from from  $s$  to  $t$  in this network (where capacities are the edge labels):



Hint: you can use the Ford-Fulkerson algorithm! In fact, you can go to this website: [https://algorithms.discrete.ma.tum.de/graph-algorithms/flow-ford-fulkerson/index\\_en.html](https://algorithms.discrete.ma.tum.de/graph-algorithms/flow-ford-fulkerson/index_en.html) and use the applet there to input this graph and run the algorithm online.

Can you find a cut which proves your flow is a maximum flow?