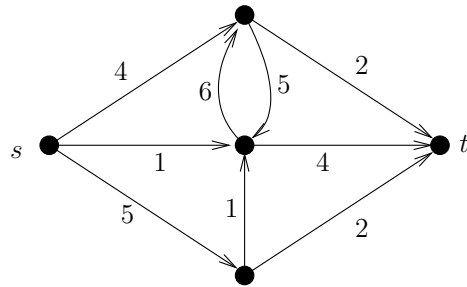


1. We consider the following network, where the source is s , the sink is t , and the capacities are indicated next to the arcs.



Find a maximum flow and a minimum cut in this network. Justify why your cut is indeed minimum.