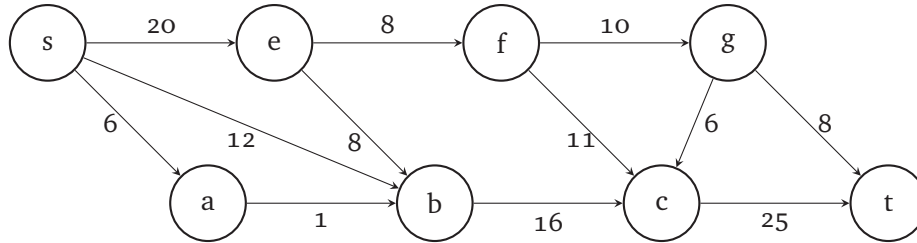# Problem Session 14

Consider the following directed graph with capacities on edges.

1. Recall the *min cut problem*.

   (a) Suppose $S = \{s, a, b, c\}$. What is T?

   (b) What is $||S, T||$?

2. Find a new partition S and T such that $||S, T||$ is minimized.

3. Find the maximum flow on G.