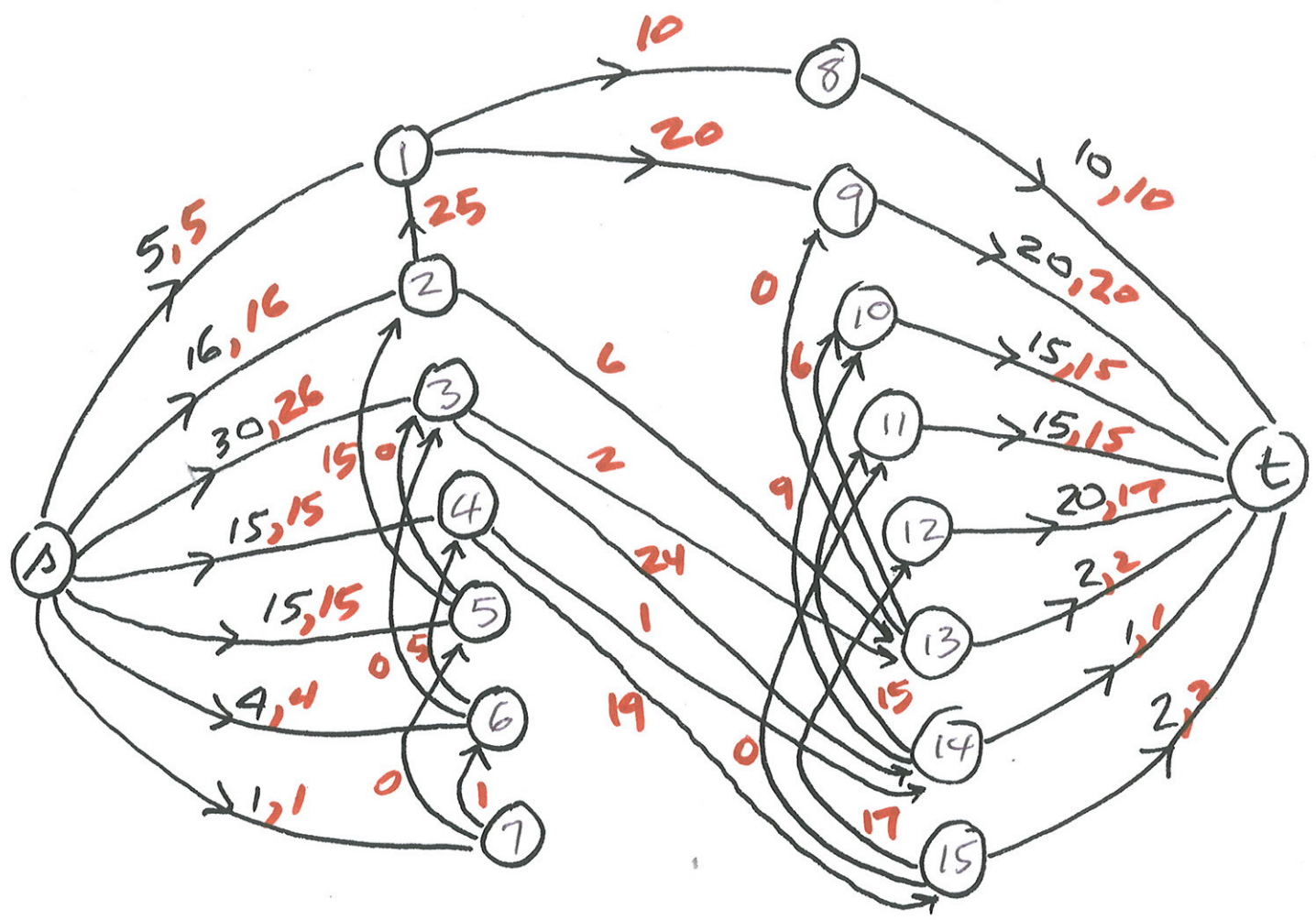
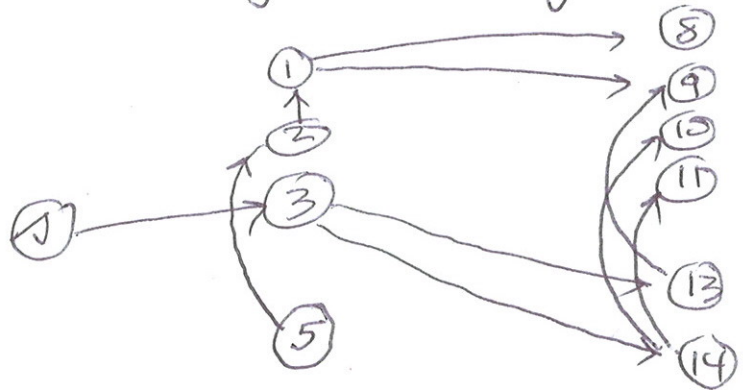


arc labels
 $u(a), x(a)$
 or
 $\infty, \kappa(a)$



looking for augmenting path



$$S = \{s, 1, 2, 3, 5, 8, 9, 10, 11, 13, 14\}$$