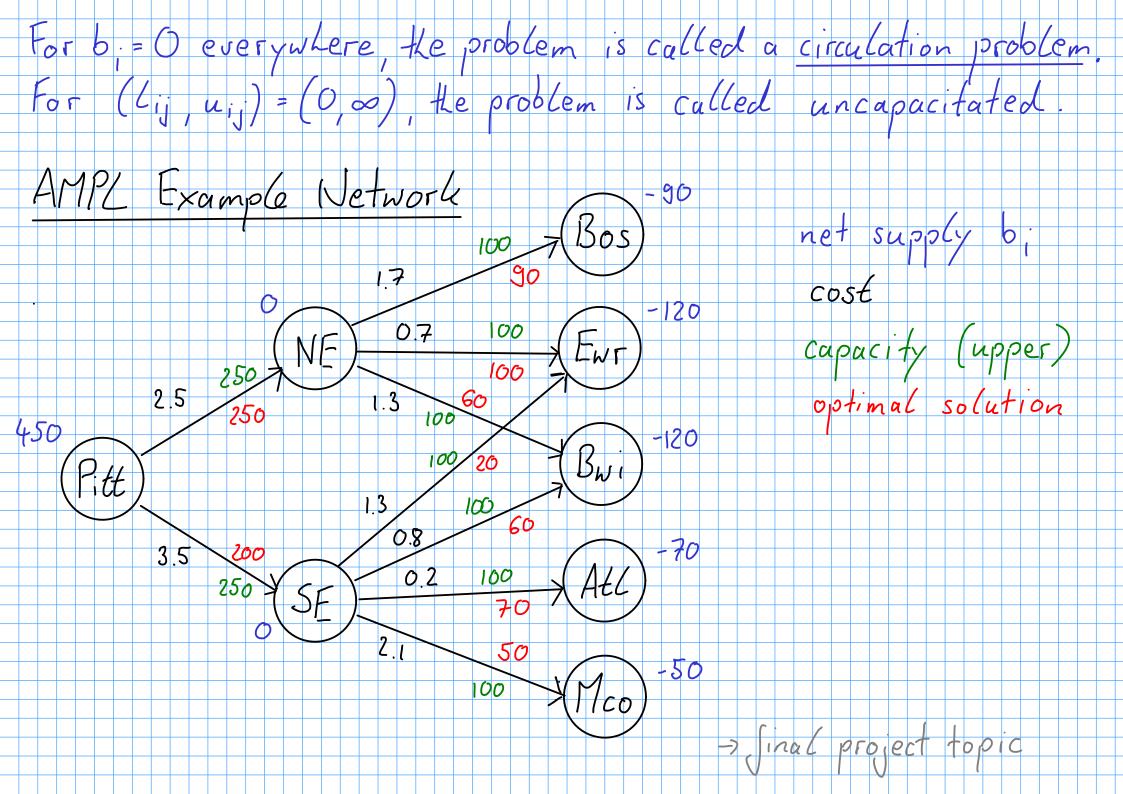
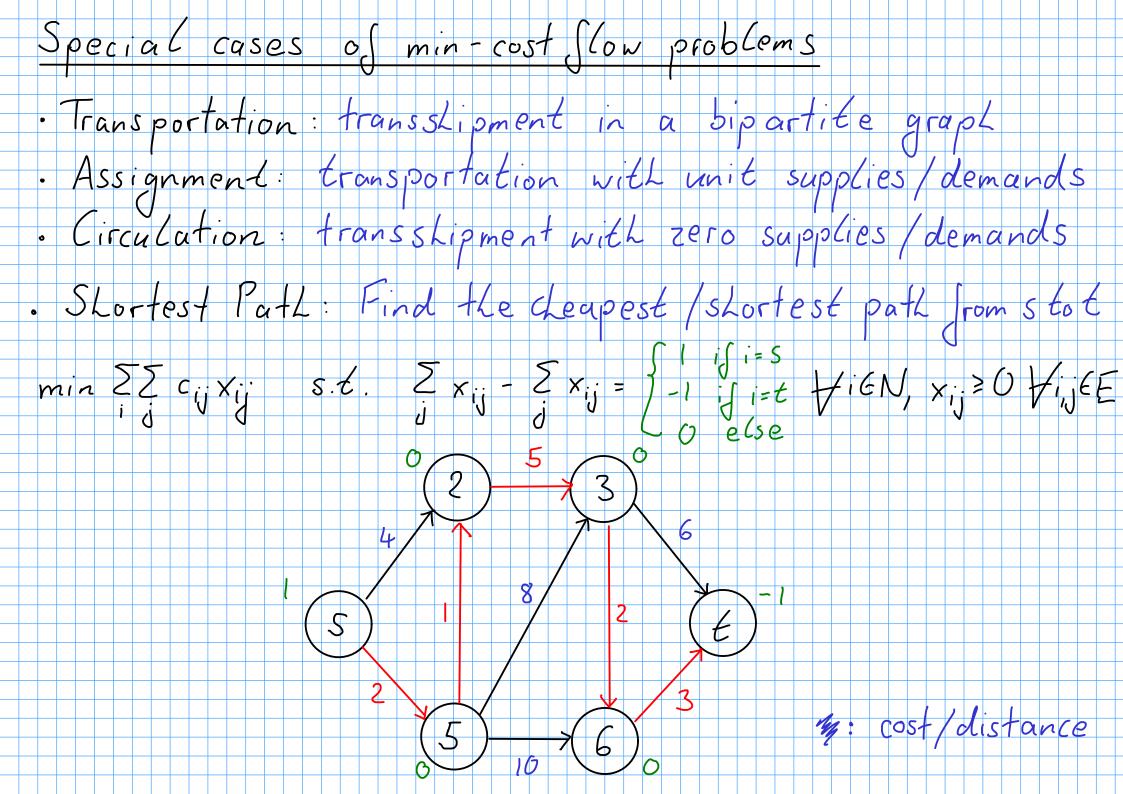
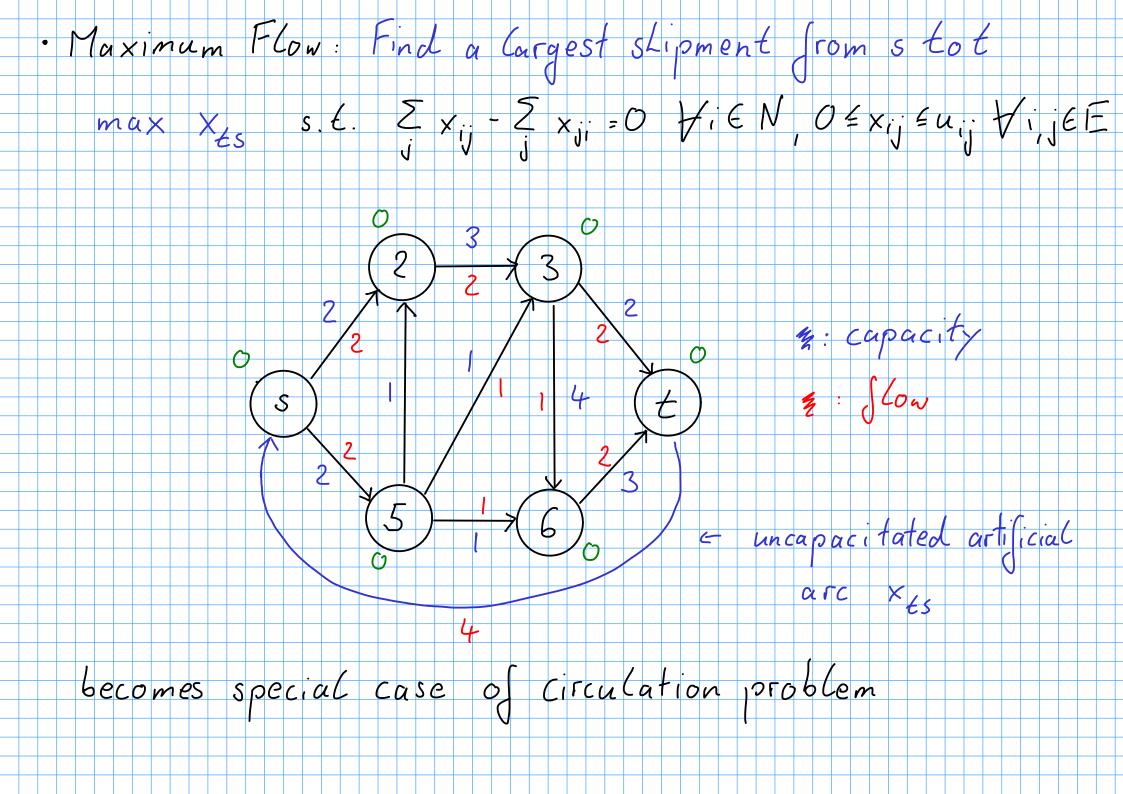
Transslipment and Circulation Problem: Given a set of n Cocations with supplies b. (or demands if bis negative) and costs (lengt/s/times) ci with Cower and upper limits (Li, ui) for transportation between i and j, (ind the chapest (shortest/fastest) transslipment to meet demands. Model Variables X;; amount slipped from i to j s.t. \(\frac{1}{1} \) \(\frac{1} \) \(\frac{1} \) \(\frac{1} \) \(\frac{1} \) \ $C_{ij} \neq x_{ij} \neq u_{ij} \qquad \forall i, j \neq 1, ..., n$ the problem is called min-cost (network) (low problem with Low balance constraints







Integer Linear Programs Integer Programs Reading: AMPC Chapter 20 Many decision variables must be limited to integers (people, products) or binary values (yes/no, on/oss, 0/1) (Binary) Integer Program (1P) max ¿c×: Ax = b, x integer/binary} Mixed Integer Programs (MIP) max & C x + dy: Ax + By > b, y integer/binary, x continuous