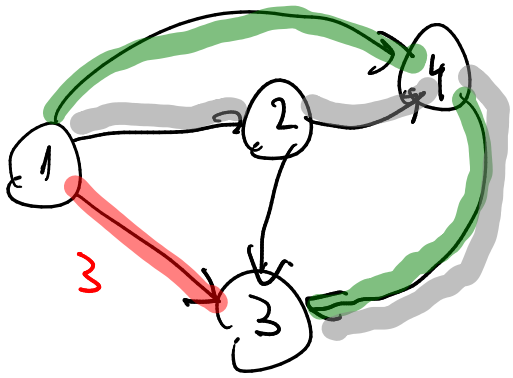
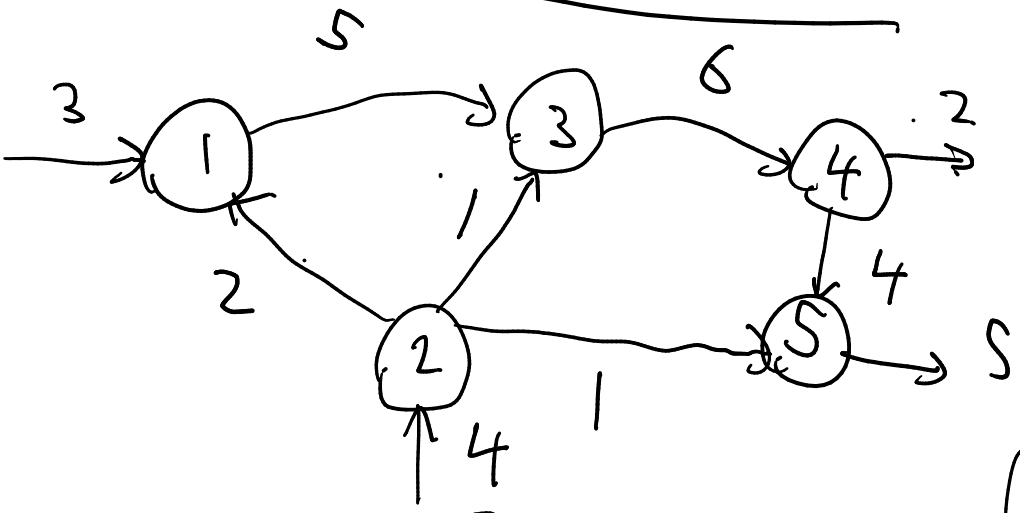
The Quiz needs fixing!

[16:58] Quiz: You can have network defined by the following array list [1]->[2,3,4], [2]->[4,3], [3]->[], [4]->[3]. The network has the following paths: P1=[1,3], P2= [1,4,3], P3=[1,2,~~3~~,4,3]. The corresponding flows are f(P1)=3, f(P2)=6, f(P3)=8. What is the flow on arc (3,4)? (OCQ) - 0 students (0%) voted for review



$8 = 14$

Example of augmentation



$$\sum_j x_{ij} - \sum_j x_{ji} = b(i)$$

For node 1

$5 - 2 = 3$

For node 4

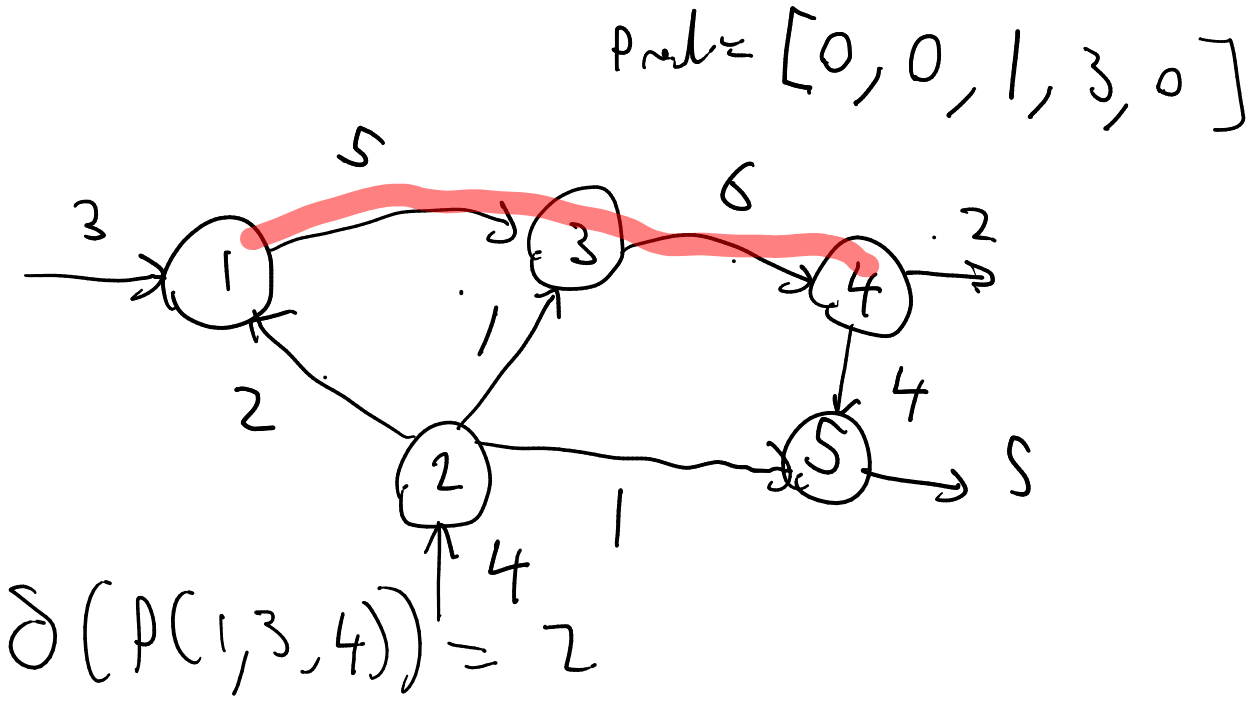
$4 - 6 = -2$

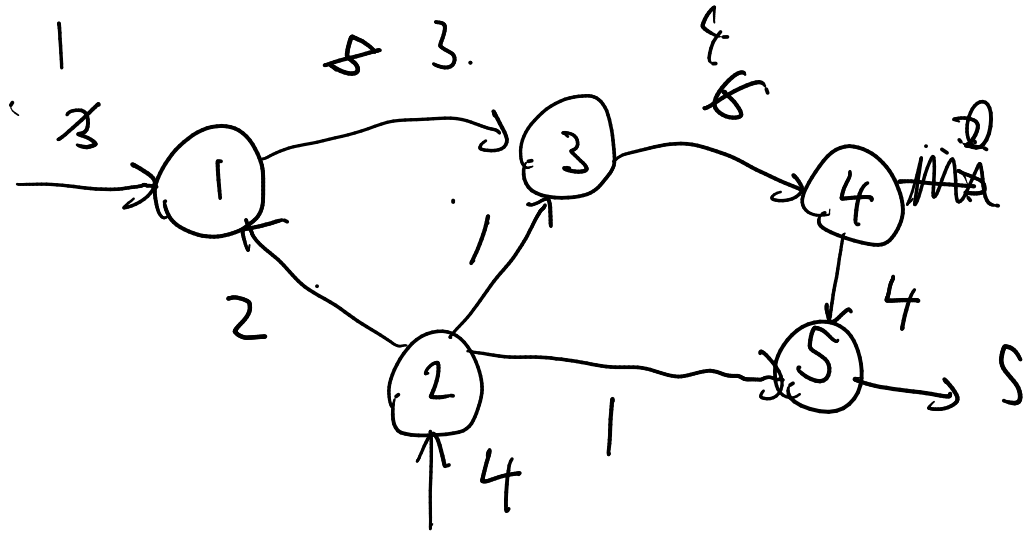
For node 5

$-4 - 1 = -5$

node 3

$-1 - 5 = 0$





[40:18] Quiz: The bracketed terms in the array list represent (j,x_ij). That is the head to the arc and flow going from the tail i to the head j. You have network defined by the following array list: [1]->[(2,9)], [2]->[(4,14)], [3]->[(1,9),(2,5)], [4]->[(3,3)]. How much flow is entering the supply node from outside the network? (OCQ) - 0 students (0%) voted for review