CS132 - Homework 4 Aleksander Skyoelsvile

7(12) Intersection	Flow in	Flow out	
A	Xy+ xy	1/2	
B	×2	X3 + 100	
C .	X3 + 80	Xu	

Knowing that the total flow into the network must equal the total flow out of the network, we know the (100-80)=20 Since xy is the only output for the 80 inputted at C, its smallest value must also be 80. We can then infer that x2 = 100 and x3 = 0 (free)

2(4)	a)	Intersection	Flow in	Flow out
		A	80	×, +×0
		3	14+42+100	Xy
	1	0	1,	12+90
		0	Lytha	13+90

 x_{1} + x_{2} = 80 x_{1} + x_{2} = -100 $-x_{2}$ + x_{3} = 90 $-x_{3}$ + x_{4} + x_{5} = 90

x2 +x4 = 80 x2 -x4-x6 = -180 +3 -x4-x6 : -90











