2

variables: X = {1,2,3,4,5,6} Y = {1,2,3,4,5,6} Z = {1,2,3,4,5,6}

constraints: X<Y Y<Z X+Z=9

Arcs: XX Z>Y

edge removed from queue	constraint to be checked	affected variable	values removed from variable domain (if any)	edge(s) added to queue (if any)
X->Y	XX			
Y->Z	YX			
Y->X	Y>X	Y	5	X->Y
Z->Y	Z>Y	Z	1	Y->Z
Z->X	Z=9-X	Z	2,3	none
X->Z	X=9-Z	X	1,3	X->Y,Z-X
X->Y	XX			
Y->Z	YY			
X->Y	X<Y	X	4	none
Z->X	Z=9-X	X	4,5	none
Y->X	Y>X	X		

variables: X = {3} Y = {4} Z = {6}

constraints: X<Y Y<Z X+Z=9

Arcs: XX Z>Y Z=9-X X=9-Z

agenda (queue): XX Z>Y Z=9-X X=9-Z X<Y Y<Z X<Y Z=9-X

Y>X