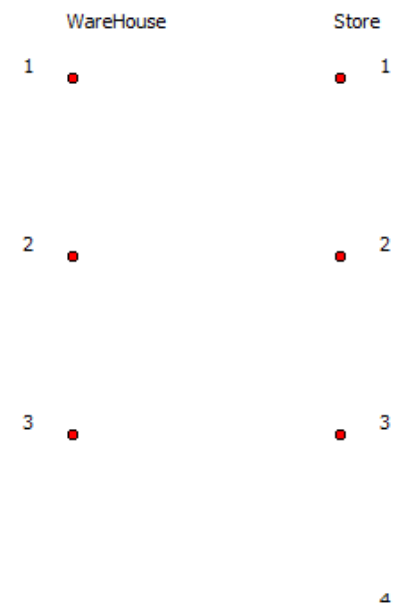
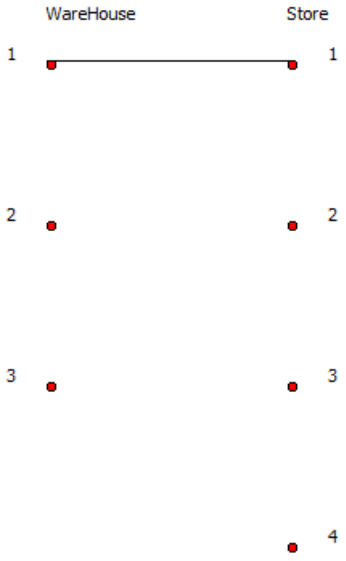
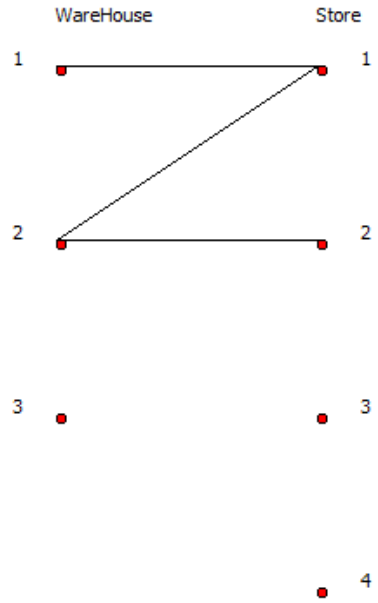
8 / 0	3 / 0	2 / 0	0 / 0	40
3 / 0	5 / 0	7 / 0	0 / 0	30
6 / 0	4 / 0	5 / 0	0 / 0	50
50	10	40	20	



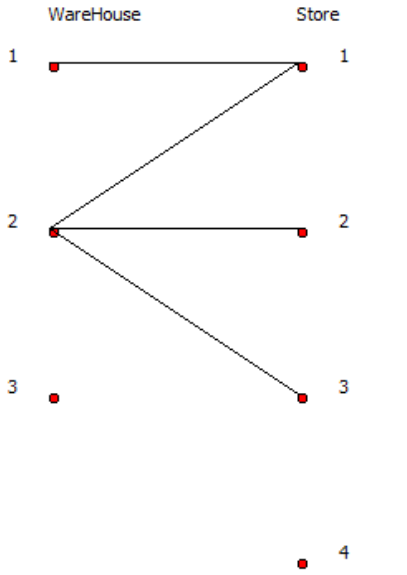
8 / 40	3 / 0	2 / 0	0 / 0	40
3 / 0	5 / 0	7 / 0	0 / 0	30
6 / 0	4 / 0	5 / 0	0 / 0	50
50	10	40	20	



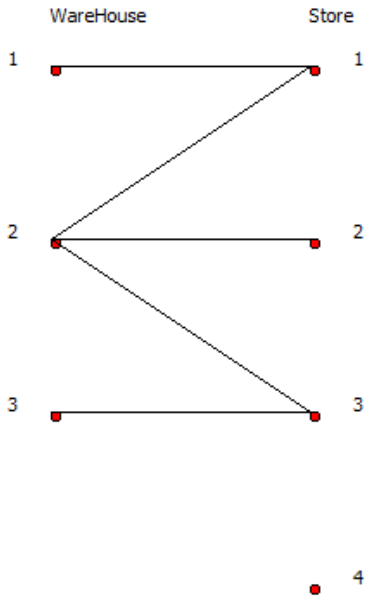
8 40	3 0	2 0	0 0	40
3 10	5 10	7 0	0 0	30
6 0	4 0	5 0	0 0	50
50	10	40	20	



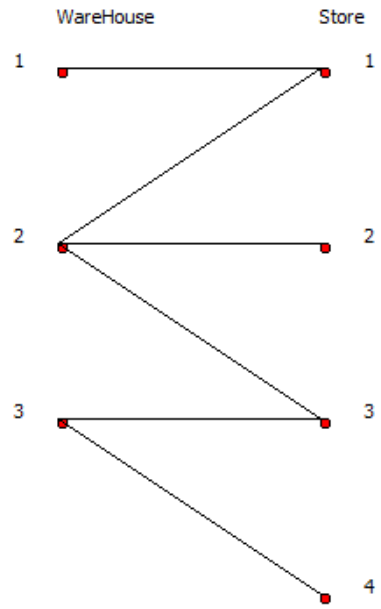
8 40	3 0	2 0	0 0	40
3 10	5 10	7 10	0 0	30
6 0	4 0	5 0	0 0	50
50	10	40	20	



8 / 40	3 / 0	2 / 0	0 / 0	40
3 / 10	5 / 10	7 / 10	0 / 0	30
6 / 0	4 / 0	5 / 30	0 / 0	50
50	10	40	20	



8 / 40	3 / 0	2 / 0	0 / 0	40
3 / 10	5 / 10	7 / 10	0 / 0	30
6 / 0	4 / 0	5 / 30	0 / 20	50
50	10	40	20	

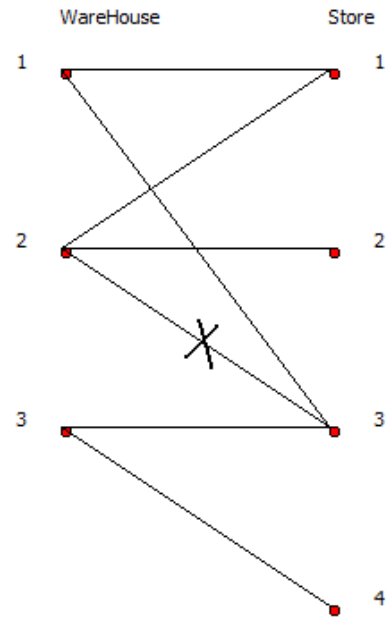


Total cost (by NWCST method) = 620$

u1: 10 v1: 18
u2: 15 v2: 20
u3: 17 v3: 22
v4: 17

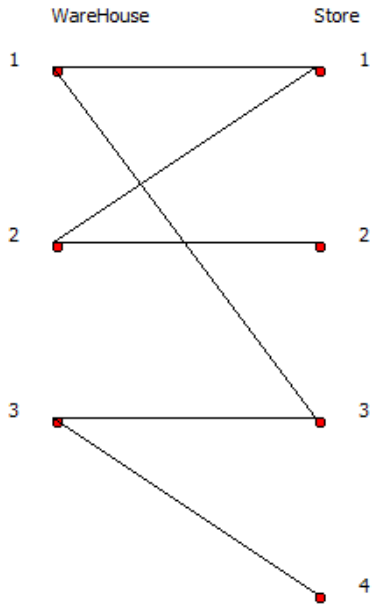
c12: 3 v2 - u1: 10 => decrease of $7
c13: 2 v3 - u1: 12 => decrease of $10
c14: 0 v4 - u1: 7 => decrease of $7
c24: 0 v4 - u2: 2 => decrease of $2
c31: 6 v1 - u3: 1 => decrease of $-5
c32: 4 v2 - u3: 3 => decrease of $-1

8 -10 40	3 0	2 0 +10	0 0	40
3 +10 10	5 10	7 -10 10	0 0	30
6 0	4 0	5 30	0 20	50
50	10	40	20	



8 30	3 0	2 10	0 0	40
3 20	5 10	7 0	0 0	30
6 0	4 0	5 30	0 20	50
50	10	40	20	

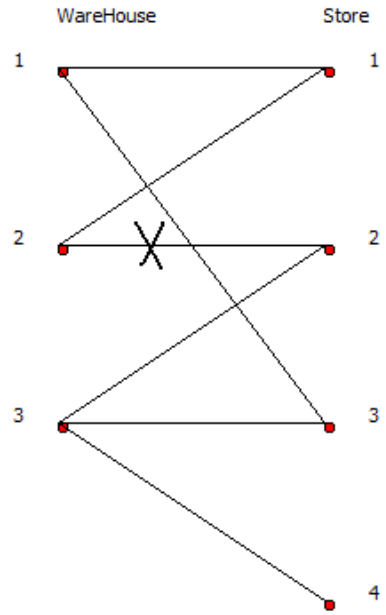
Total cost = 520



u1: 10 v1: 18
u2: 15 v2: 20
u3: 7 v3: 12
v4: 7

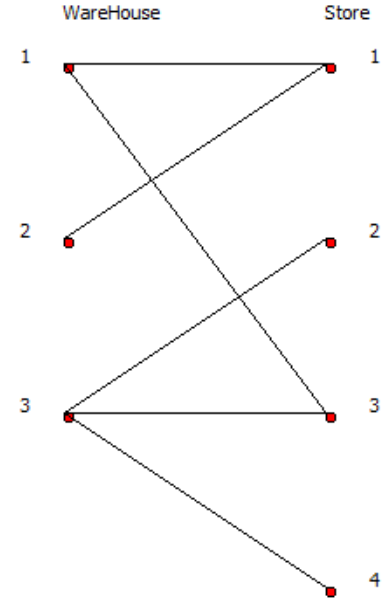
c12: 3 v2 - u1: 10 => decrease of $7
c14: 0 v4 - u1: -3 => decrease of $ -3
c23: 7 v3 - u2: -3 => decrease of $-10
c24: 0 v4 - u2: -8 => decrease of $ -8
c31: 6 v1 - u3: 11 => decrease of $5
c32: 4 v2 - u3: 13 => decrease of $9

8 / 30 -10	3 / 0	2 / 10 +10	0 / 0	40
3 / 20 +10	5 / 10 -10	7 / 0	0 / 0	30
6 / 0	4 / 0 +10	5 / 30 -10	0 / 20	50
50	10	40	20	



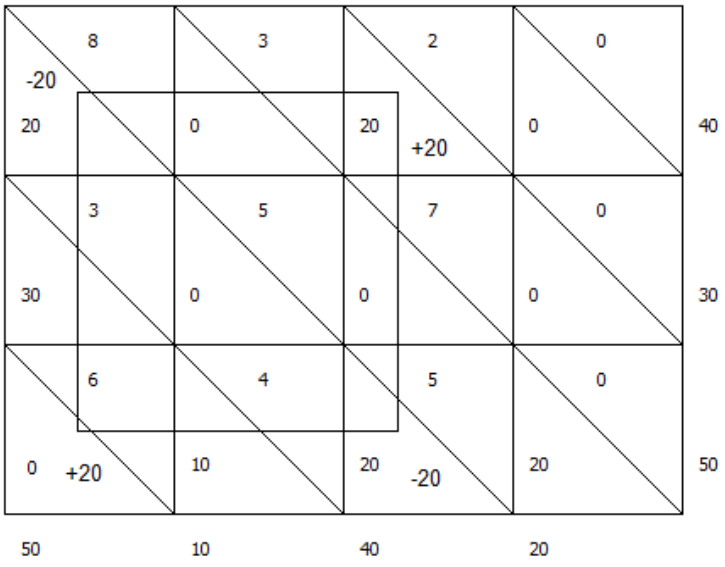
8 / 20	3 / 0	2 / 20	0 / 0	40
3 / 30	5 / 0	7 / 0	0 / 0	30
6 / 0	4 / 10	5 / 20	0 / 20	50
50	10	40	20	

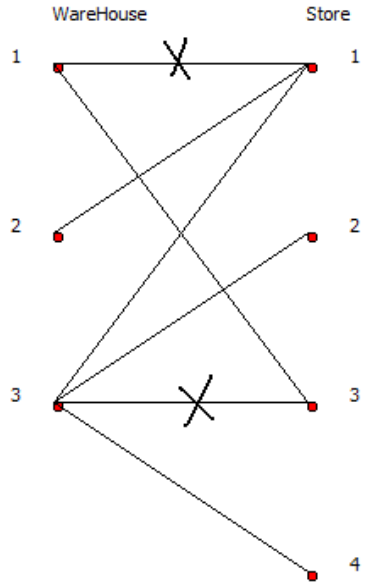
Total cost = 430

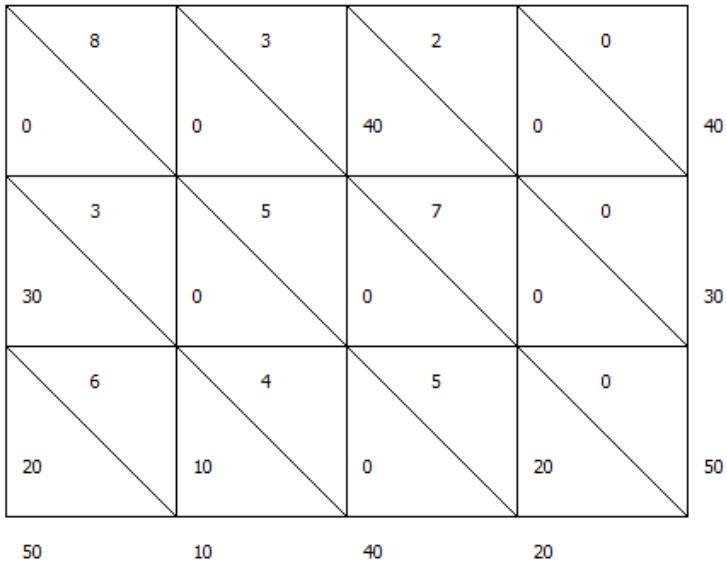


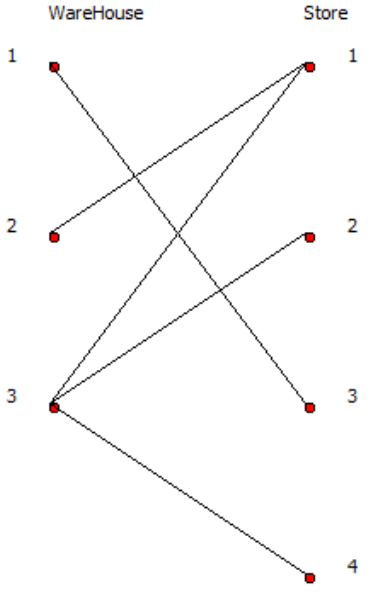
u1: 10 v1: 18
u2: 15 v2: 11
u3: 7 v3: 12
v4: 7

c12: 3 v2 - u1: 1 => decrease of $ -2
c14: 0 v4 - u1: -3 => decrease of $ -3
c22: 5 v2 - u2: -4 => decrease of $ -9
c23: 7 v3 - u2: -3 => decrease of $-10
c24: 0 v4 - u2: -8 => decrease of $ -8
c31: 6 v1 - u3: 11 => decrease of $5









Total cost = 330

The graph has become disconnected (forest),
start with u1 = 10 from one component and
u2 = 10 from another (tree).

u1: 10	v1: 13
u2: 10	v2: 11
u3: 7	v3: 12
v4: 7	

c11: 8, v1 - u1: 3 => decrease of $-5
c12: 3, v2 - u1: 1 => decrease of $-2
c14: 0, v4 - u1: -3 => decrease of $-3
c22: 5, v2 - u2: 1 => decrease of $-4
c23: 7, v3 - u2: 5 => decrease of $-2
c24: 0, v4 - u2: -3 => decrease of $-3
c33: 5, v3 - u3: 5 => decrease of $0

Optimal solution!!!

Optimal cost = 330$