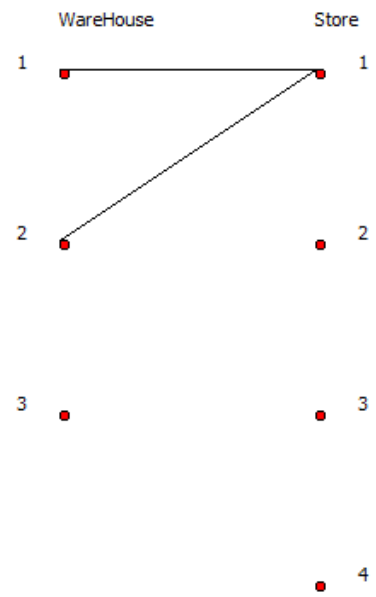
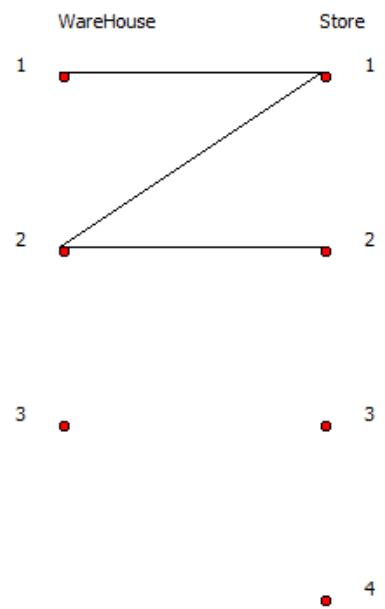
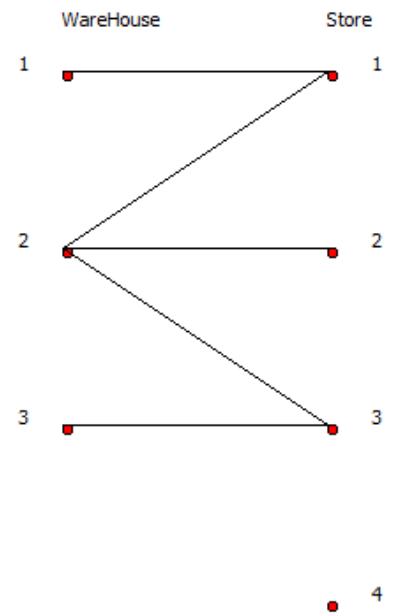
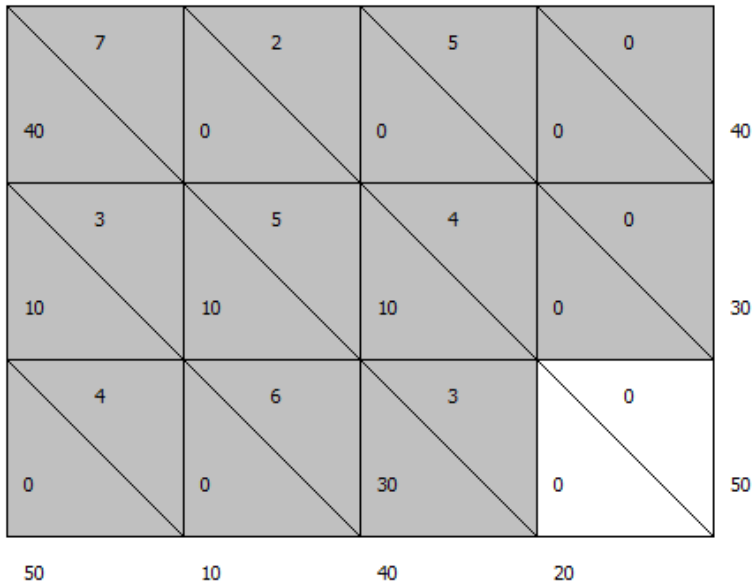
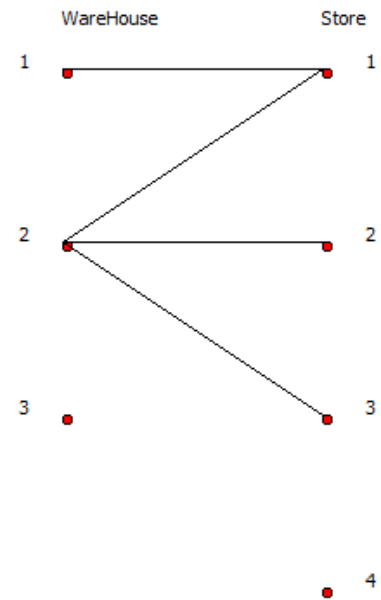
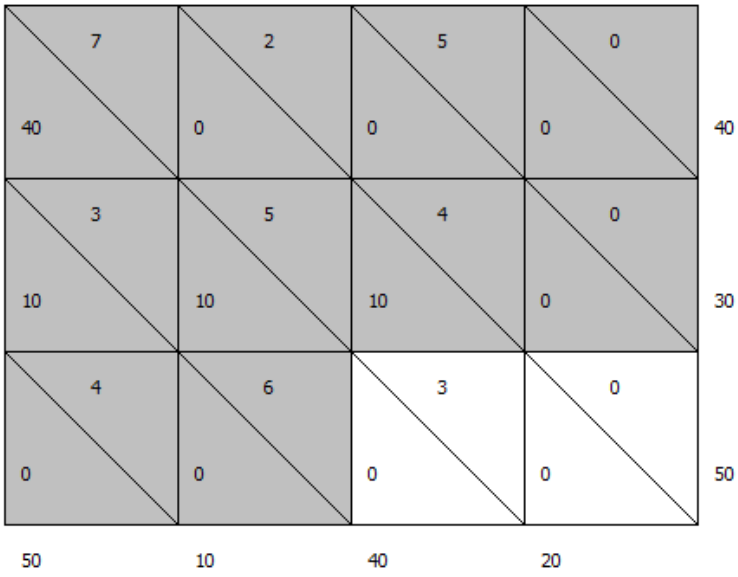


7 40	2 0	5 0	0 0	40
3 10	5 0	4 0	0 0	30
4 0	6 0	3 0	0 0	50
50	10	40	20	

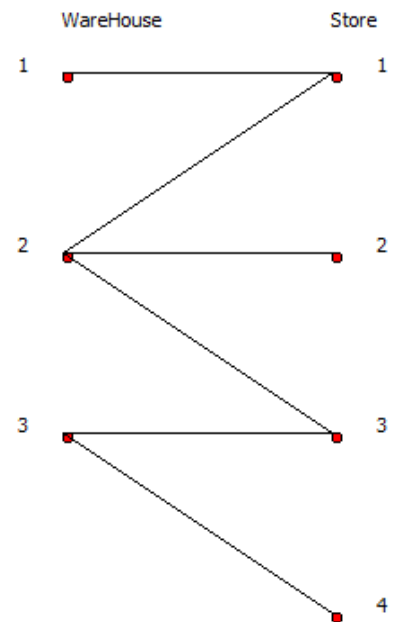


7 40	2 0	5 0	0 0	40
3 10	5 10	4 0	0 0	30
4 0	6 0	3 0	0 0	50
50	10	40	20	





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

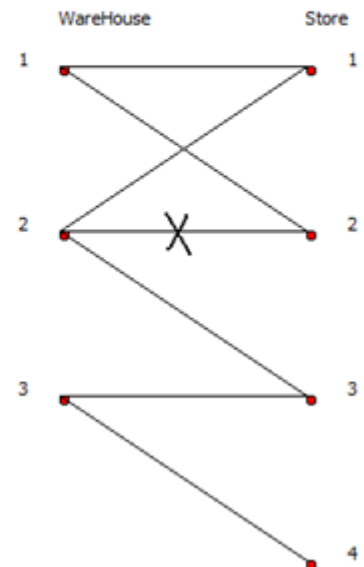


Total cost = 490\$

u1: 10 v1: 17
u2: 14 v2: 19
u3: 15 v3: 18
v4: 15

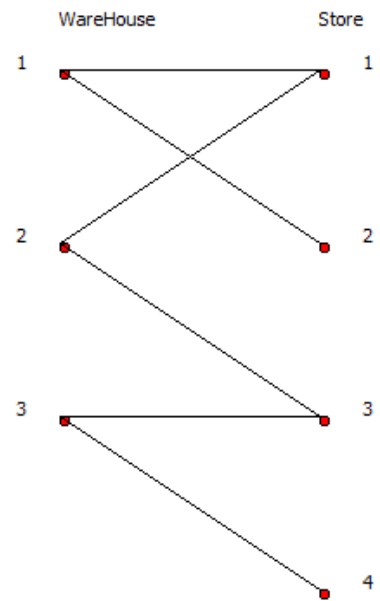
c12: 2 v2 - u1: 9 => decrease of \$7
c13: 5 v3 - u1: 8 => decrease of \$3
c14: 0 v4 - u1: 5 => decrease of \$5
c24: 0 v4 - u2: 1 => decrease of \$1
c31: 4 v1 - u3: 2 => decrease of \$-2
c32: 6 v2 - u3: 4 => decrease of \$-2

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



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

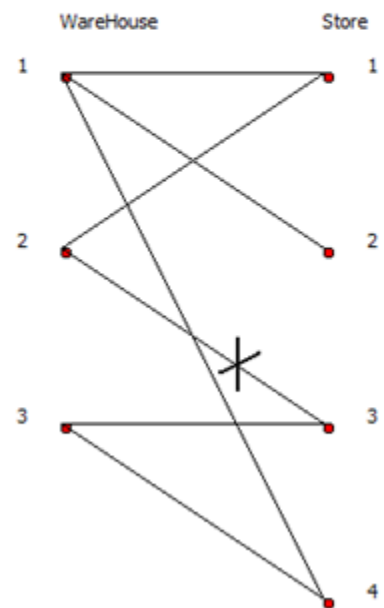
Total cost = 420



$u1: 10$ $v1: 17$
 $u2: 14$ $v2: 12$
 $u3: 15$ $v3: 18$
 $v4: 15$

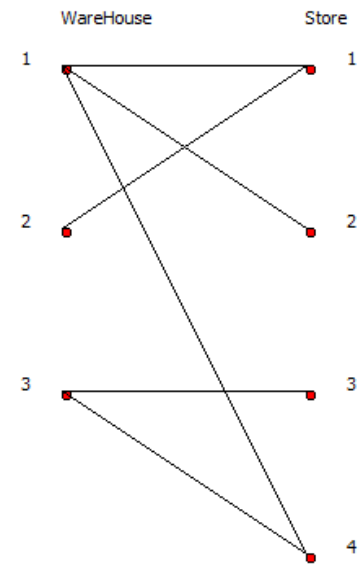
$c13: 5$ $v3 - u1: 8 \Rightarrow$ decrease of \$3
 $c14: 0$ $v4 - u1: 5 \Rightarrow$ decrease of \$5
 $c22: 5$ $v2 - u2: -2 \Rightarrow$ decrease of \$-7
 $c24: 0$ $v4 - u2: 1 \Rightarrow$ decrease of \$1
 $c31: 4$ $v1 - u3: 2 \Rightarrow$ decrease of \$-2
 $c32: 6$ $v2 - u3: -3 \Rightarrow$ decrease of \$-9

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



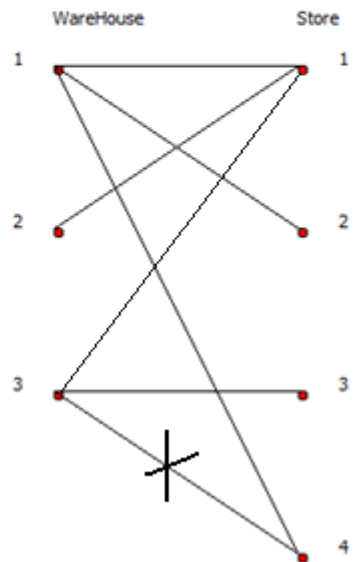
7 20	2 10	5 0	0 10	40
3 30	5 0	4 0	0 0	30
4 0	6 0	3 40	0 10	50
50	10	40	20	

Total cost = 370



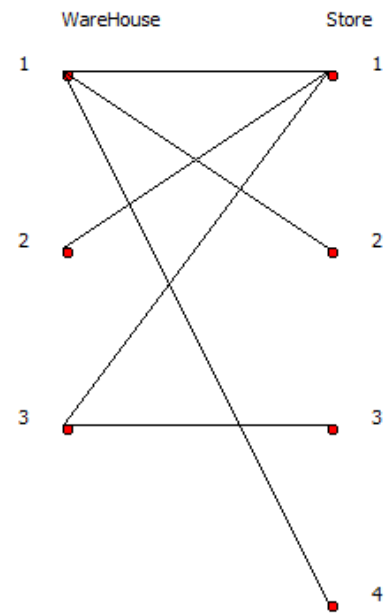
u1: 10	v1: 17	c13: 5, v3 - u1: 3 => decrease of \$-2
u2: 14	v2: 12	c22: 5, v2 - u2: -2 => decrease of \$-7
u3: 10	v3: 13	c23: 4, v3 - u2: -1 => decrease of \$-5
v4: 10		c24: 0, v4 - u2: -4 => decrease of \$-4
		c31: 4, v1 - u3: 7 => decrease of \$3
		c32: 6, v2 - u3: 2 => decrease of \$-4

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



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

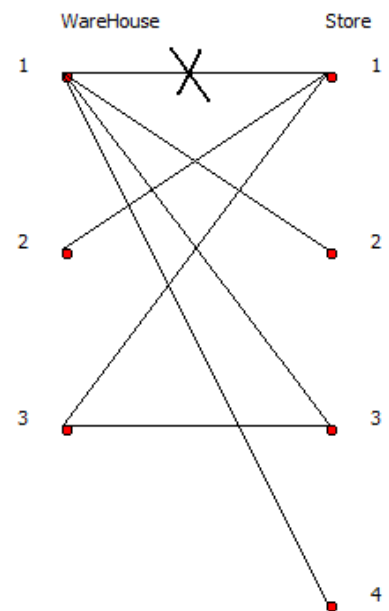
Total cost = 340



u1: 10 v1: 17
u2: 14 v2: 12
u3: 13 v3: 16
v4: 10

c13: 5, v3- u1: 6 => decrease of \$1
c22: 5, v2 - u2: -2 => decrease of \$-7
c23: 4, v3- u2: 2 => decrease of \$-2
c24: 5, v4- u2: -4 => decrease of \$-9
c32: 6, v2- u3: -1 => decrease of \$-7
c34: 0, v4- u3: -3 => decrease of \$-3

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



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

u1: 10	v1: 16	c11: 7, v1 - u1: 6 => decrease of \$-1
u2: 13	v2: 12	c22: 5, v2 - u2: -1 => decrease of \$-6
u3: 12	v3: 15	c23: 4, v3 - u2: 2 => decrease of \$-2
v4: 10		c24: 0, v4 - u2: -3 => decrease of \$-3
		c32: 6, v2 - u3: 0 => decrease of \$-6
		c34: 0, v4 - u3: -2 => decrease of \$-2

At last the Optimal solution!!!

Optimal cost = 330\$

