

SOLUTIONS TO FINAL EXAM

Answer 1

- Distance matrix (2 pts.)
 Tour starting from İstanbul (10 pts.)
 Other tours (6 x 3 pts.)
 Comment (5 pts.)

Answer 2

- Knapsack formulation (10 pts.)
 Knapsack solution (20 pts.)
 Comment (5 pts.)

Answer 3a (15 pts.)

		Transshipment				Dem.	
		2	3	4	5	6	
Supp.	1	4	3	M	M	M	1
	2	0	M	3	2	M	1
Transshipment	3	M	0	M	3	M	1
	4	M	M	0	M	2	1
	5	M	M	M	0	2	1
		1	1	1	1	1	

Answer 3b (15 pts.)

		Transshipment				Dem.	
		2	3	4	5	6	
Supp.	1	1	0	M	M	M	1
	2	0	M	3	1	2	1
Transshipment	3	M	1	M	3	M	1
	4	M	M	1	M	0	1
	5	M	M	M	0	1	1
		1	1	1	1	1	