HW 4

1. A manager will assign 5 jobs to 5 machines. The cost of finishing a job by machines is given in the table below.

Job					
	1	2	3	4	5
A	85\$	70	60	10	40
В	6	15	90	76	50
C	50	80	5	75	15
D	75	84	82	25	30
E	20	24	30	14	35

Make an assignment for the minimum total cost. (use Python or Excel Solver)

2. A company has two plans located in Istanbul, one of them is in the European side and the other is in the Anatolian side of Istanbul. Company delivers the product to markets via two warehouses. Table below shows the capacities of the plants and the warehouses and the demands of markets. According to the table given find the minimum shipping cost and routes.

		warehouse	Markets Kayseri	demand 1250
supply 5000 (box)	Plants: Istanbul Anatolian side	Capa Ankara 450	acity	3000
7500	European side	Adana 800	Mersin 00 Niğde	4200 2800
			Erzurum	1000

Shipping costs (TL, per box)

	5 mpp mg v ssis (12, p v ssi)							
	Ankara	Adana		Kayseri	Sivas	Mersin	Niğde	Erzurum
Anatolian								
side	1	3	Ankara	2	2	4	3	4
European								
side	2	3	Adana	3	4	1	1	1