

Business Logistics Assignment #6

Directions:

First, Complete problem #9a and b on page 535.

Note: if you are not given a transportation rate, use “1”!!

Next, you must identify the cost of applying this solution. Use Excel to make a spreadsheet of the total cost. Look at the example bellow that uses the Grid Problem from the packet.

	A	B	C	D	E	F	G
1							
2		Name: Bubba		SSN: 000-00-0000			
3		Assignment Grid					
4							
5		#XX					
6							
7		Sites	X	Y	Rate	Ton	Cost
8		M1	2	2	10	200	\$8,168
9		M2	8	4	10	100	\$2,863
10		S1	2	10	8	100	\$5,052
11		S2	12	6	6	150	\$6,266
12							
13		New	5.19	4.55			\$22,350
14							
15							
16							
17		Sites	X	Y	Rate	Ton	Cost
18		M1	2	2	10	200	\$4,895
19		M2	8	4	10	100	\$4,060
20		S1	2	10	8	100	\$5,481
21		S2	12	6	6	150	\$7,578
22							
23		New	3.98	3.44			\$22,014

The formula for cell G8 is “=((+\$C\$13-C8)^2+(+\$D\$13-D8)^2)^0.5*E8*F8”

The second part is to identify a less costly location than the grid solution. To do this you should use the “Solver” function under tools. You are trying to minimize the total cost in cell G23 by varying the values in C23..D23 . Good luck!!

When you are done, you should turn in the following:

- Page 1 - your hand written solution of #9a.
- Page 2 - your print out of the Excel answer of #9a.
- Page 3 - your hand written solution of #9b.
- Page 4 - your print out of the Excel answer of #9b.