UNIVERSIDAD CARLOS III DE MADRID

Air Navigation Systems: LP/IP Optimization Lab

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	OBJECTIVE FUNCTION RESULTS	OPTIMIZATION VARIABLES RESULTS	
Exercise 1	**Profit [Thousand $]**	**Product 1 [units]**	**Product 2 [units]**
	36	2 *(x1=2)*	6 *(x2=6)*
Exercise 2	**Total Net Present Value [Mi $]**	**Buildings**	
	14	Factory in LA Factory in SF *(x1=1, x2=1, x3=0, x4=0)*	
Exercise 3	**Annual Profit [Mi $]**	**Aicrafts Type A [units]**	**Aircrafts Type B [units]**
	110,67	10,67 *(x1=10,67)*	4 *(x2=4)*
Exercise 4	**Cost [$]**	**Station built**	**Tons of water treated**
	4.100.000	Site 1 *(y1=1, y2=0, y3=0)*	200000 *(x1=200000, x2=0, x3=0)*
Exercise 5	**Cost [Thousand $]**	**Assigned sequences of flights**	
	18	Sequences 1, 5 and 12 *(x1=x5=x12=1, the rest are 0)*	