

	A	B	C	D	E	F	G	H
1	Q6Spreadsheet1 Linear Programming							
2								
3		x1	x2	x3				
4	VarValues	1	1	1				
5								
6	Const1 Coefs	3	1	1	Range Names Used B4:D4 - VarValues B6:D6 - C1Coef B7:D7 - C2Coef B8:D8 - C3Coef B10:D10 - ObjCoef B12 - C1Val D12 - C1Max B13 - C2Val D13 - C2Max B14 - C3Val D14 - C3Min B16 - ObjVal			
7	Const2 Coefs	2	4	2				
8	Const3 Coefs	6	5	2				
9								
10	Objective Coefs	4	1	7				
11								
12	Const1	5	<=	52				
13	Const2	8	<=	70				
14	Const3	13	>=	100				
15								
16	ObjValue	12						
17								
18								

	A	B	C	D	E	F	G
1	Q6Spreadsheet2 Goal Programming						
2							
3	Oil Refinery Problem						
4							
5	Amount (kg) of fuel type extractable per barrel of crude						
6		Middle East	Alaska	North Sea			
7	Gasoline	38	42	35			
8	Diesel	23	27	34			
9	Kerosene	26	23	19			
10							
11	Cost (£) per Barrel	60	68	56			
12							
13	Number of Barrels (000s)	1,000	1,000	1,000			
14							
15				Budget (£000s)			
16	Total Cost (£000s)	184	<=	4000			
17							
18	Amounts of Fuel Achieved (000kgs)			Goals	Deviations	Obtained	
19	Gasoline	115	>=	2500	2385	2500	
20	Diesel	84	>=	2000	1916	2000	
21	Kerosene	68	>=	2000	1932	2000	
22							