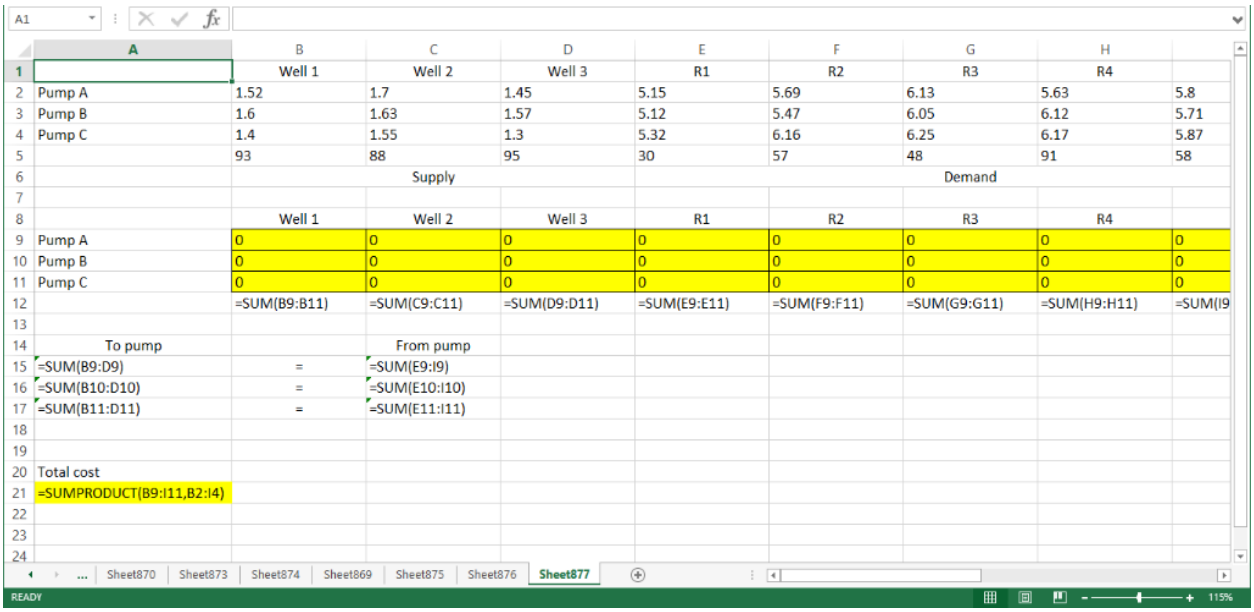

	A	B	C	D	E	F	G	H	
1		Well 1	Well 2	Well 3	R1	R2	R3	R4	
2	Pump A	1.52	1.7	1.45	5.15	5.69	6.13	5.63	5.8
3	Pump B	1.6	1.63	1.57	5.12	5.47	6.05	6.12	5.71
4	Pump C	1.4	1.55	1.3	5.32	6.16	6.25	6.17	5.87
5		93	88	95	30	57	48	91	58
6		Supply			Demand				
7									
8		Well 1	Well 2	Well 3	R1	R2	R3	R4	
9	Pump A	0	0	0	0	0	0	0	0
10	Pump B	0	0	0	0	0	0	0	0
11	Pump C	0	0	0	0	0	0	0	0
12		=SUM(B9:B11)	=SUM(C9:C11)	=SUM(D9:D11)	=SUM(E9:E11)	=SUM(F9:F11)	=SUM(G9:G11)	=SUM(H9:H11)	=SUM(I9
13									
14	To pump		From pump						
15	=SUM(B9:D9)	=	=SUM(E9:I9)						
16	=SUM(B10:D10)	=	=SUM(E10:I10)						
17	=SUM(B11:D11)	=	=SUM(E11:I11)						
18									
19									
20	Total cost								
21	=SUMPRODUCT(B9:I11,B2:I4)								
22									
23									
24									

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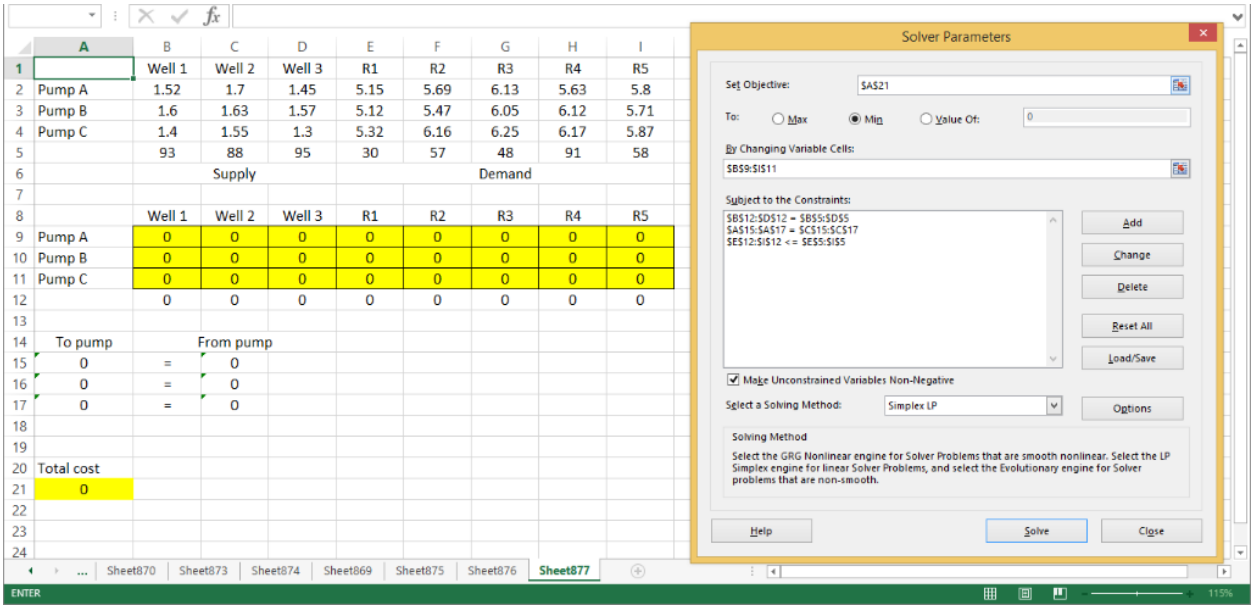
READY 115%



	A	B	C	D	E	F	G	H	I
1		Well 1	Well 2	Well 3	R1	R2	R3	R4	R5
2	Pump A	1.52	1.7	1.45	5.15	5.69	6.13	5.63	5.8
3	Pump B	1.6	1.63	1.57	5.12	5.47	6.05	6.12	5.71
4	Pump C	1.4	1.55	1.3	5.32	6.16	6.25	6.17	5.87
5		93	88	95	30	57	48	91	58
6		Supply					Demand		
7									
8		Well 1	Well 2	Well 3	R1	R2	R3	R4	R5
9	Pump A	0	0	0	0	0	0	0	0
10	Pump B	0	0	0	0	0	0	0	0
11	Pump C	0	0	0	0	0	0	0	0
12		0	0	0	0	0	0	0	0
13									
14	To pump		From pump						
15	0	=	0						
16	0	=	0						
17	0	=	0						
18									
19									
20	Total cost								
21	0								
22									
23									
24									

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ENTER 115%

Solver Parameters

Set Objective: $A$21

To: Max Min Value Of: 0

By Changing Variable Cells:

$B$9:$I$11

Subject to the Constraints:

$B$12:$D$12 = $B$5:$D$5
$A$15:$A$17 = $C$15:$C$17
$E$12:$I$12 <= $E$5:$I$5

Add | Change | Delete | Reset All | Load/Save

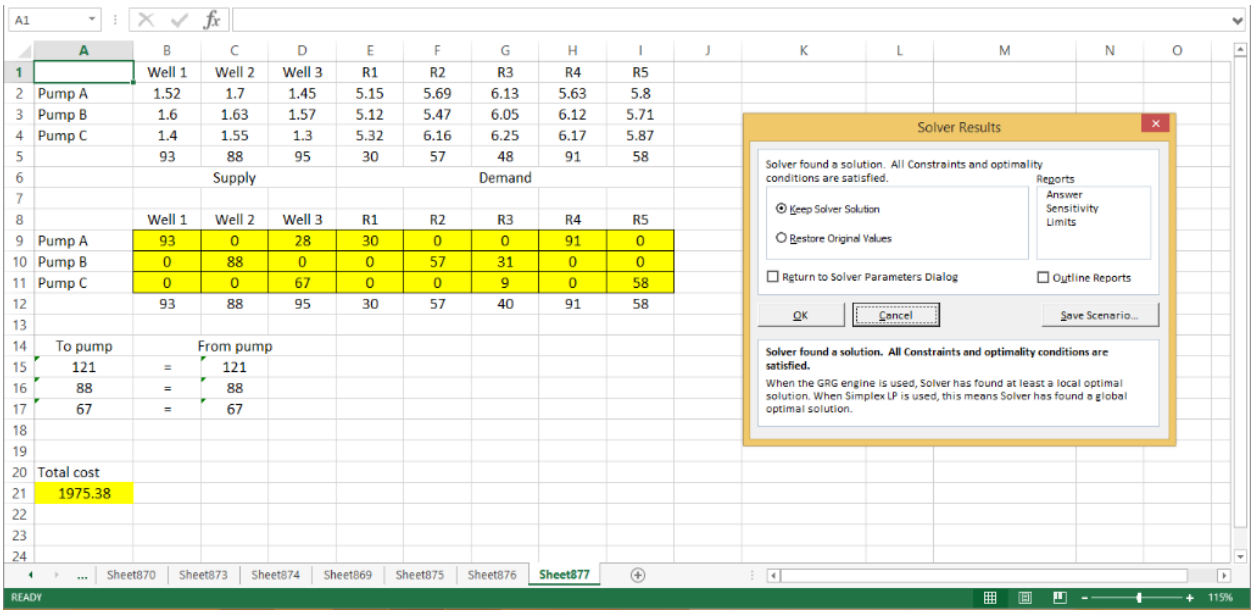
Make Unconstrained Variables Non-Negative

Select a Solving Method: Simplex LP | Options

Solving Method

Select the GRG Nonlinear engine for Solver Problems that are smooth nonlinear. Select the LP Simplex engine for linear Solver Problems, and select the Evolutionary engine for Solver problems that are non-smooth.

Help | Solve | Close



	A	B	C	D	E	F	G	H	I
1		Well 1	Well 2	Well 3	R1	R2	R3	R4	R5
2	Pump A	1.52	1.7	1.45	5.15	5.69	6.13	5.63	5.8
3	Pump B	1.6	1.63	1.57	5.12	5.47	6.05	6.12	5.71
4	Pump C	1.4	1.55	1.3	5.32	6.16	6.25	6.17	5.87
5		93	88	95	30	57	48	91	58
6			Supply				Demand		
7									
8		Well 1	Well 2	Well 3	R1	R2	R3	R4	R5
9	Pump A	93	0	28	30	0	0	91	0
10	Pump B	0	88	0	0	57	31	0	0
11	Pump C	0	0	67	0	0	9	0	58
12		93	88	95	30	57	40	91	58
13									
14	To pump		From pump						
15	121	=	121						
16	88	=	88						
17	67	=	67						
18									
19									
20	Total cost								
21	1975.38								
22									
23									
24									

Solver Results

Solver found a solution. All Constraints and optimality conditions are satisfied.

Reports: Answer, Sensitivity, Limits

Keep Solver Solution

Restore Original Values

Return to Solver Parameters Dialog

Outline Reports

OK | Cancel | Save Scenario...

Solver found a solution. All Constraints and optimality conditions are satisfied.

When the GRG engine is used, Solver has found at least a local optimal solution. When Simplex LP is used, this means Solver has found a global optimal solution.

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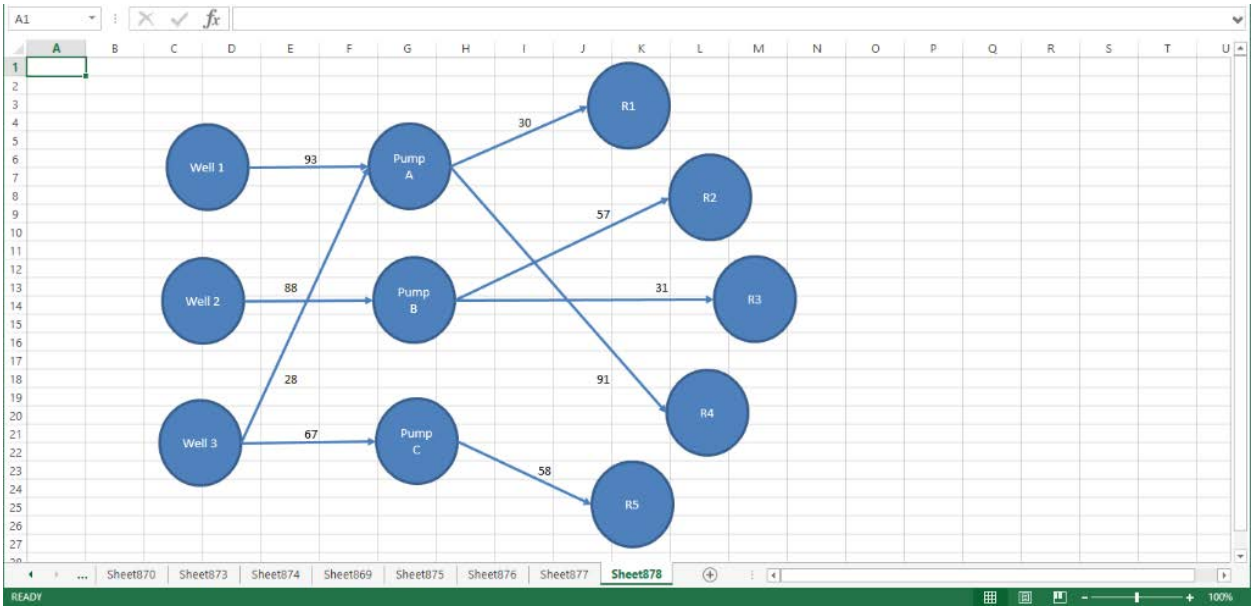
READY 115%



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READY 100%