TORA C:\Users\Maheen\OneDrive\Desktop\Sir danish oel\oel.txt

LINEAR PROGRAMMING

TORA Optimization System, Windows®-version 1.00

Wednesday, April 23, 2025 22:24

SIMPLEX TABLEAU - (Starting All-Slack Method)

Title: Book Urgency (Maximize)

Steps for generating NEXT tableau from CURRENT one:

1. ENTERING variable: Click a NONBASIC variable (if correct, column turns green)
2. LEAVING variable: Click a BASIC variable (if correct, row turns red)
3. Click command button NEXT ITERATION (or ALL ITERATIONS) -- This step may be executed without Steps 1 and/or 2.

Next Iteration | All Iterations | Write to Printer

Iteration 1							
Basic	x1	x2	x3	x4	x5	x6	x7
z (max)	-10.00	-10.00	-8.00	-8.00	-6.00	-6.00	-4.00
sx11	1.00	0.00	1.00	0.00	1.00	0.00	1.00
sx12	0.00	1.00	0.00	1.00	0.00	1.00	0.00
sx13	1.00	1.00	0.00	0.00	0.00	0.00	0.00
sx14	0.00	0.00	1.00	1.00	0.00	0.00	0.00
sx15	0.00	0.00	0.00	0.00	1.00	1.00	0.00
sx16	0.00	0.00	0.00	0.00	0.00	0.00	1.00
sx17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lower Bound	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Upper Bound	infinity	infinity	infinity	infinity	infinity	infinity	infinity
Unrestr'd (y/n)?	n	n	n	n	n	n	n
Iteration 2							
Basic	x1	x2	x3	x4	x5	x6	x7
z (max)	0.00	-10.00	2.00	-8.00	4.00	-6.00	6.00
x1	1.00	0.00	1.00	0.00	1.00	0.00	1.00

View/Modify Input Data | MAIN Menu | Exit TORA

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Next Iteration | All Iterations | Write to Printer

Iteration 1							
Basic	x7	x8	x9	x10	sx11	sx12	sx13
z (max)	-4.00	-4.00	0.00	-2.00	0.00	0.00	0.00
sx11	1.00	0.00	1.00	0.00	1.00	0.00	0.00
sx12	0.00	1.00	0.00	1.00	0.00	1.00	0.00
sx13	0.00	0.00	0.00	0.00	0.00	0.00	1.00
sx14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
sx15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
sx16	1.00	1.00	0.00	0.00	0.00	0.00	0.00
sx17	0.00	0.00	1.00	1.00	0.00	0.00	0.00
Lower Bound	0.00	0.00	0.00	0.00			
Upper Bound	infinity	infinity	infinity	infinity			
Unrestr'd (y/n)?	n	n	n	n			
Iteration 2							
Basic	x7	x8	x9	x10	sx11	sx12	sx13
z (max)	6.00	-4.00	10.00	-2.00	10.00	0.00	0.00
x1	1.00	0.00	1.00	0.00	1.00	0.00	0.00

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Next Iteration | All Iterations | Write to Printer

Iteration 1						
Basic	sx13	sx14	sx15	sx16	sx17	Solution
z (max)	0.00	0.00	0.00	0.00	0.00	0.00
sx11	0.00	0.00	0.00	0.00	0.00	10.00
sx12	0.00	0.00	0.00	0.00	0.00	15.00
sx13	1.00	0.00	0.00	0.00	0.00	10.00
sx14	0.00	1.00	0.00	0.00	0.00	10.00
sx15	0.00	0.00	1.00	0.00	0.00	10.00
sx16	0.00	0.00	0.00	1.00	0.00	10.00
sx17	0.00	0.00	0.00	0.00	1.00	10.00
Lower Bound						
Upper Bound						
Unrestr'd (y/n)?						
Iteration 2						
Basic	sx13	sx14	sx15	sx16	sx17	Solution
z (max)	0.00	0.00	0.00	0.00	0.00	100.00
x1	0.00	0.00	0.00	0.00	0.00	10.00

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Next Iteration | All Iterations | Write to Printer

Upper Bound	infinity	infinity	infinity	infinity	infinity	infinity	infinity
Unrestr'd (y/n)?	n	n	n	n	n	n	n
Iteration 6							
Basic	x1	x2	x3	x4	x5	x6	x7
z (max)	0.00	0.00	0.00	0.00	0.00	0.00	2.00
x3	1.00	0.00	1.00	0.00	0.00	-1.00	0.00
x5	0.00	0.00	0.00	0.00	1.00	1.00	1.00
x2	1.00	1.00	0.00	0.00	0.00	0.00	0.00
x4	-1.00	0.00	0.00	1.00	0.00	1.00	0.00
sx15	0.00	0.00	0.00	0.00	0.00	0.00	-1.00
sx16	0.00	0.00	0.00	0.00	0.00	0.00	1.00
sx17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lower Bound	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Upper Bound	infinity	infinity	infinity	infinity	infinity	infinity	infinity
Unrestr'd (y/n)?	n	n	n	n	n	n	n

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3. **Click command button NEXT ITERATION (or ALL ITERATIONS) -- This step may be executed without Steps 1 and/or 2.**

Next Iteration | All Iterations | Write to Printer

Upper Bound	infinity	infinity	infinity				
Unrestr'd (y/n)?	n	n	n				
Iteration 6							
Basic	x8	x9	x10	sx11	sx12	sx13	sx14
z (max)	2.00	6.00	4.00	6.00	6.00	4.00	2.00
x3	-1.00	0.00	-1.00	0.00	-1.00	1.00	1.00
x5	1.00	1.00	1.00	1.00	1.00	-1.00	-1.00
x2	0.00	0.00	0.00	0.00	0.00	1.00	0.00
x4	1.00	0.00	1.00	0.00	1.00	-1.00	0.00
sx15	-1.00	-1.00	-1.00	-1.00	-1.00	1.00	1.00
sx16	1.00	0.00	0.00	0.00	0.00	0.00	0.00
sx17	0.00	1.00	1.00	0.00	0.00	0.00	0.00
Lower Bound	0.00	0.00	0.00				
Upper Bound	infinity	infinity	infinity				
Unrestr'd (y/n)?	n	n	n				

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Next Iteration | All Iterations | Write to Printer

Upper Bound						
Unrestr'd (y/n)?						
Iteration 6						
Basic	sx13	sx14	sx15	sx16	sx17	Solution
z (max)	4.00	2.00	0.00	0.00	0.00	210.00
x3	1.00	1.00	0.00	0.00	0.00	5.00
x5	-1.00	-1.00	0.00	0.00	0.00	5.00
x2	1.00	0.00	0.00	0.00	0.00	10.00
x4	-1.00	0.00	0.00	0.00	0.00	5.00
sx15	1.00	1.00	1.00	0.00	0.00	5.00
sx16	0.00	0.00	0.00	1.00	0.00	10.00
sx17	0.00	0.00	0.00	0.00	1.00	10.00
Lower Bound						
Upper Bound						
Unrestr'd (y/n)?						

View/Modify Input Data | MAIN Menu | Exit TORA