TORA Optimization System, Windows®-version 1.00 Copyright © 2000-2002 Hamdy A. Taha. All Rights Reserved 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.

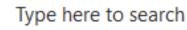
		Next Iteration	All Iterations	Write to I	Printer		
Iteration 1							•
Basic	x1	x2	кЗ	×4	х5	ж6	×7
z (max)	-10.00	-10.00	-8.00	-8.00	-6.00	-6.00	-4.00
sx11	1.00	0.00	1.00	0.00	1.00	0.00	1.00
sx12	0.00	1.00	0.00	1.00	0.00	1.00	0.00
sx13	1.00	1.00	0.00	0.00	0.00	0.00	0.00
sx14	0.00	0.00	1.00	1.00	0.00	0.00	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	r
Iteration 2							
Basic	х1	x2	кЗ	×4	х5	ж6	×7
z (max)	0.00	-10.00	2.00	-8.00	4.00	-6.00	6.00
v1	1.00	0.00	1.00	0.00	1.00	Activat	te Williad
1						Codo	
						Go to Se	ttings to act

View/Modify Input Data

MAIN Menu

Exit TORA











Windows.

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All Iterations Write to Printer Next Iteration Iteration 1 Basic sx12 ж8 **x9** x10 sx11 sx1 ×7 z (max) -4.00-4.000.00 -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 0.00 1.00 sx13 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00 0.00 sx14 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 0.00sx17 1.00 1.00 0.00 0.00 0.00 0.00 0.00Lower 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 х8 х9 x10 sx11 sx12 sx1 ×7 6.00 -4.0010.00 -2.00 10.00 0.00 0.00 z (max) 1.00 u1 1.00 0.00 0.00 1 00 Go to Settings to activate Windows. View/Modify Input Data MAIN Menu Exit TORA











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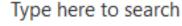
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Write to Printer Next Iteration All Iterations Iteration 1 Basic sx13 sx15 Solution sx14 sx16 sx17 z (max) 0.00 0.00 0.00 0.00 0.00 0.00 sx11 0.00 0.00 0.00 0.00 0.00 10.00 sx12 0.00 0.00 0.00 0.00 15.00 0.00 sx13 1.00 0.00 0.00 0.00 0.00 10.00 sx14 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 0.001.00 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 Solution sx13 sx14 sx15 sx16 sx17 0.00 0.00 0.00 0.00 0.00 100.00 z (max) Attivate Windows n nn n nn 0.000.00n nn l Go to Settings to activate Windows. Exit TORA View/Modify Input Data MAIN Menu

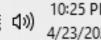












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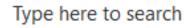
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Next Iteration All Iterations Write to Printer Upper Bound infinity infinity infinity infinity infinity infinity infinity Unrestr'd (y/n)? n n n n n Iteration 6 Basic ×2 жЗ х5 x1 ×4 ж6 0.00 0.00 0.00 0.00 0.00 2.00 z (max) 0.00 хЗ 1.00 0.00 1.00 0.00 0.00 0.00 -1.000.00 0.00 1.00 1.00 1.00 х5 0.00 0.00 x2 1.00 1.00 0.00 0.00 0.00 0.00 0.00 -1.00 0.00 0.00 ×4 1.00 0.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 -1.00sx15 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 0.00 0.00 Lower Bound 0.00 0.00 0.00 0.00 0.00 **Upper Bound** infinity infinity infinity infinity infinite infinity infinity Unrestr'd (y/n)? n n n n n n Activate Windows Go to Settings to activate Windows.







View/Modify Input Data



MAIN Menu



Exit TORA



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Next Iteration All Iterations Write to Printer Upper Bound infinity infinity infinity Unrestr'd (y/n)? n n n Iteration 6 Basic х8 х9 x10 sx11 sx12 sx13 sx1 2.00 6.00 4.00 6.00 6.00 2.00 z (max) 4.00 хЗ -1.000.00 -1.00 -1.001.00 0.00 1.00 1.00 1.00 1.00 х5 1.00 1.00 -1.00 -1.00x2 0.00 0.00 0.00 0.00 0.00 1.00 0.00 ×4 1.00 0.00 1.00 0.00 1.00 0.00 -1.00 -1.00-1.00-1.00 -1.00 -1.00 1.00 1.00 sx15 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 0.00 0.00 Lower Bound 0.00 **Upper Bound** infinity infinity infinity Unrestr'd (y/n)? n n n Activate Windows Go to Settings to activate Windows. Exit TORA View/Modify Input Data MAIN Menu













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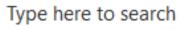
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