

Sheet1

Linear Programming Example (Copyright 1995, TRIUS, Inc.)

Maximize the function: $P = 10x + 5y$
Subject to the constraints: $6x + 2y$
 $2x + 4y$

The solution matrix is set-up in AS-EASY-AS as shown below, in cells A13..D15. The first row contains the first constraint, the second row represents the second constraint and the third row the function to be Maximized. Cells A17..A19 contain the solution obtained by the
Keystrokes: /ALA13.D15{ENTER}A17{ENTER}

	6	2
	2	4
	10	5

max	70
X1	4
X2	6

le	36	Alt-A for Automatic Solution.
le	32	
eq	max	

The solution indicates that the maximum value of the function is $P = 70$, and it occurs at the x and y values of $x=4$ and $y=6$.

/ALA13.D15~A17~
