



## PL - Exemplo Protótipo

Dados

	A	B	C	D	E	F	G
2			de portas	de janelas			Disponibilidades
3		h-m de F1	1	0	0	≤	4
4		h-m de F2	0	2	0	≤	12
5		h-m de F3	3	2	0	≤	18
6		Lucro	3	5	0		
7		Nº de lotes	0	0			

Valores Iniciais

	E
2	
3	=SUMPRODUCT(C3:D3;\$C\$7:\$D\$7)
4	=SUMPRODUCT(C4:D4;\$C\$7:\$D\$7)
5	=SUMPRODUCT(C5:D5;\$C\$7:\$D\$7)
6	=SUMPRODUCT(C6:D6;\$C\$7:\$D\$7)
7	

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	A	B	C	D	E	F	G
2			de portas	de janelas			Disponibilidades
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4		h-m de F2	0	2	0	≤	12
5		h-m de F3	3	2	0	≤	18
6		Lucro	3	5	0		
7		Nº de lotes	0	0			

**Solver Parameters**

Set Target Cell:

Equal To:  Max  Min  Value of:

By Changing Cells:

Subject to the Constraints:

- 
- 
- 

Buttons: Solve, Close, Options, Premium, Reset All, Help, Add, Change, Delete, Guess

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## PL - Exemplo Protótipo

**Solver Parameters**

Set Target Cell:

Equal To:  Max  Min  Value of:

By Changing Cells:

Subject to the Constraints:

**Solver Options**

Max Time:  seconds

Iterations:

Precision:

Tolerance:  %

Convergence:

Assume Linear Model  Use Automatic Scaling

Assume Non-Negative  Show Iteration Results

Estimates:  Tangent  Quadratic

Derivatives:  Forward  Central

Search:  Newton  Conjugate

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	A	B	C	D	E	F	G
2			de portas	de janelas			Disponibilidades
3		h-m de F1	1	0	2	≤	4
4		h-m de F2	0	2	12	≤	12
5		h-m de F3	3	2	18	≤	18
6		Lucro	3	5	36		
7		Nº de lotes	2	6			
8							
9							
10							
11							
12							
13							
14							
15							
16							

**Solver Results**

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

Reports

Keep Solver Solution  Restore Original Values

Answer  
Sensitivity  
Limits

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## PL - Exemplo Protótipo

Microsoft Excel 10.0 Answer Report  
 Worksheet: [ex\_prototipo.xls]Ex. Protótipo  
 Report Created: 30-09-2009 11:40:41

### Target Cell (Max)

Cell	Name	Original Value	Final Value
\$E\$6	Lucro	0	36

### Adjustable Cells

Cell	Name	Original Value	Final Value
\$C\$7	Nº de lotes de portas	0	2
\$D\$7	Nº de lotes de janelas	0	6

### Constraints

Cell	Name	Cell Value	Formula	Status	Slack
\$E\$3	h-m de F1	2	\$E\$3<=\$G\$3	Not Binding	2
\$E\$4	h-m de F2	12	\$E\$4<=\$G\$4	Binding	0
\$E\$5	h-m de F3	18	\$E\$5<=\$G\$5	Binding	0

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## PL - Exemplo Protótipo

Microsoft Excel 10.0 Sensitivity Report  
 Worksheet: [ex\_prototipo.xls]Ex. Protótipo  
 Report Created: 30-09-2009 11:43:27

### Adjustable Cells

Cell	Name	Final Value	Reduced Cost	Objective Coefficient	Allowable Increase	Allowable Decrease
\$C\$7	Nº de lotes de portas	2	0	3	4,5	3
\$D\$7	Nº de lotes de janelas	6	0	5	1E+30	3

### Constraints

Cell	Name	Final Value	Shadow Price	Constraint R.H. Side	Allowable Increase	Allowable Decrease
\$E\$3	h-m de F1	2	0	4	1E+30	2
\$E\$4	h-m de F2	12	1,5	12	6	6
\$E\$5	h-m de F3	18	1	18	6	6

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