Microsoft Excel 16.0 Sensitivity Report
Worksheet: [first LP Formula model Sensitivity Analysis using Excel Solver.xlsx]Sheet1
Report Created: 20/04/2022 21:38:13

Variable Cells

Cell	Name	Final Value	Reduced Cost	Objective Coefficient	Allowable Increase	Allowable Decrease
B2	x1	250	0	9	2	1
B3	x2	0	0	12	10000000000000000000000000000000.00	2
B4	x3	370	0	10	1	12
B5	x4	0	0	12	10000000000000000000000000000000.00	1
B6	y1	150	0	1	2	1
B7	y2	0	0	1	10000000000000000000000000000000.00	1
B8	y3	170	0	1	1	12
B9	y4	0	0	1	10000000000000000000000000000000.00	12

Constraints

Cell	Name	Final Value	Shadow Price	Constraint R.H. Side	Allowable Increase	Allowable Decrease
B17		150	9	0	10000000000000000000000000000000.00	250
B18		0	10	0	10000000000000000000000000000000.00	150
B19		170	10	0	10000000000000000000000000000000.00	370
B20		0	11	0	10000000000000000000000000000000.00	170
B21		250	0	0	250	10000000000000000000000000000000.00
B22		0	2	0	150	0
B23		370	0	0	370	10000000000000000000000000000000.00
B24		0	1	0	170	0
B25		150	0	0	150	10000000000000000000000000000000.00
B26		0	1	0	370	0
B27		170	0	0	170	10000000000000000000000000000000.00
B28		0	12	0	10000000000000000000000000000000.00	0

Microsoft Excel 16.0 Limits Report
Worksheet: [first LP Formula model Sensitivity Analysis using Excel Solver.xlsx]Sheet1
Report Created: 20/04/2022 21:38:14

Cell	Objective Name	Value
B13	Minimize	6270

Cell	Variable Name	Value	Lower Limit	Objective Result	Upper Limit	Objective Result
B2	x1	250	250	6270	250	6270
B3	x2	0	0	6270	0	6270
B4	x3	370	370	6270	370	6270
B5	x4	0	0	6270	0	6270
B6	y1	150	150	6270	150	6270
B7	y2	0	0	6270	0	6270
B8	y3	170	170	6270	170	6270
B9	y4	0	0	6270	0	6270

DECISION VARIABLES

x1	250
x2	0
x3	370
x4	0
y1	150
y2	0
y3	170
y4	0

OBJECTIVE FUNCTION

Minimize	6270

CONSTRAINTS

		Inequality	
1	150	=	150
2	0	=	0
3	170	=	170
4	0	=	0
5	250	>=	0
6	0	>=	0
7	370	>=	0
8	0	>=	0
9	150	>=	0
10	0	>=	0
11	170	>=	0
12	0	>=	0