

### Data for Econ 172A: Problem Set 2, Question 4

#### Answer Report

Target Cell (Max)

Cell	Name	Original Value	Final Value
\$B\$24	Value	0	???

Adjustable Cells

Cell	Name	Original Value	Final Value
\$E\$8	SS	0	1000
\$F\$8	AS	0	39000
\$G\$8	SC	0	12000
\$H\$8	DC	0	5333.333333

Constraints

Cell	Name	Cell Value	Formula	Status	Slack
\$I\$16	Steel LHS	258000	\$I\$16<=\$K\$16	???	???
\$I\$17	Aluminum LHS	199000	\$I\$17<=\$K\$17	???	5000
\$I\$18	Capacity LHS	40000	\$I\$18<=\$K\$18	???	???
\$I\$19	Casket Bodies LHS	17333.333333	\$I\$19<=\$K\$19	???	7666.666667
\$I\$20	Time LHS	8000	\$I\$20<=\$K\$20	???	???
\$I\$21	SC market limit LHS	12000	\$I\$21<=\$K\$21	???	???
\$I\$22	DC market limit LHS	5333.333333	\$I\$22<=\$K\$22	???	???
\$E\$8	SS	???	\$E\$8>=0	???	???
\$F\$8	AS	???	\$F\$8>=0	???	???
\$G\$8	SC	???	\$G\$8>=0	???	???
\$H\$8	DC	???	\$H\$8>=0	???	???

#### Sensitivity Report

Adjustable Cells

Cell	Name	Final Value	Reduced Cost	Objective Coefficient	Allowable Increase	Allowable Decrease
\$E\$8	SS	???	0	0.6	???	0
\$F\$8	AS	???	0	0.6	0	0.6
\$G\$8	SC	???	0	12	1E+30	2.666666667
\$H\$8	DC	???	0	14	4	14

Constraints

Cell	Name	Final Value	Shadow Price	Constraint R.H. Side	Allowable Increase	Allowable Decrease
\$I\$16	Steel LHS	???	0	258000	78000	2000
\$I\$17	Aluminum LHS	???	0	204000	???	5000
\$I\$18	Capacity LHS	???	0.6	40000	5000	39000
\$I\$19	Casket Bodies LHS	???	0	25000	???	7666.666667
\$I\$20	Time LHS	???	23.33333333	8000	100	3200
\$I\$21	SC market limit LHS	???	2.666666667	12000	???	7000
\$I\$22	DC market limit LHS	???	0	10000	???	4666.666667