**Microsoft Excel 16.0 Answer Report**
**Worksheet: [A1_problem_solving.xlsx]Calc**
**Report Created: 25-09-2022 15:38:21**
**Result: Solver found a solution.  All Constraints and optimality conditions are satisfied.**
**Solver Engine**
    Engine: Simplex LP
    Solution Time: 0.031 Seconds.
    Iterations: 5 Subproblems: 0
**Solver Options**
    Max Time Unlimited,  Iterations Unlimited, Precision 0.000001
    Max Subproblems Unlimited, Max Integer Sols Unlimited, Integer Tolerance 1%, Assume NonNegative

Objective Cell (Min)

| Cell | Name | Original Value | Final Value |
|------|------|----------------|-------------|
| $H$2 |      | 0              | 2368.181818 |

Variable Cells

| Cell | Name | Original Value | Final Value | Integer |
|------|------|----------------|-------------|---------|
| $B$1 | z    | 0              | 13363.63636 | Contin  |
| $C$1 | z    | 0              | 0           | Contin  |
| $D$1 | z    | 0              | 0           | Contin  |
| $E$1 | z    | 0              | 3636.363636 | Contin  |
| $F$1 | z    | 0              | 0           | Contin  |
| $G$1 | z    | 0              | 0           | Contin  |

Constraints

| Cell | Name | Cell Value | Formula | Status | Slack |
|------|------|------------|---------|--------|-------|
| $I$5 | | 13363.63636 | $I$5>=$K$5 | Not Binding | 10363.63636 |
| $I$6 | | 10363.63636 | $I$6>=$K$6 | Not Binding | 3363.636364 |
| $I$7 | | 7000 | $I$7>=$K$7 | Binding | 0 |
| $I$8 | | -4000 | $I$8>=$K$8 | Binding | 0 |
| $I$9 | | -5.29235E-09 | $I$9>=$K$9 | Not Binding | 12000 |
| $I$10 | | 12000 | $I$10>=$K$10 | Not Binding | 23000 |
| $I$11 | | 7631.818182 | $I$11>=$K$11 | Not Binding | 7631.818182 |