

| | A | B | C | D | E | F | G |
|----|---|--|-------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| 1 | Problem: Production of P Head and H Head | | Legend | | | | |
| 2 | | | Decision | | | | |
| 3 | | | Constraint | | | | |
| 4 | | | Cost | | | | |
| 5 | | | | | | | |
| 6 | Week | $X_i (1 = \text{P-Head } 0 = \text{H-Head})$ | $C_i (1 = \text{changeover})$ | $P_i (Q_p\text{-head})$ | $H_i (Q_h\text{-head})$ | Production Constraint P | Production Constraint H |
| 7 | Week 0 | 1 | | | | | |
| 8 | Week 1 | 0 | 0 | 0 | 0 | 0 | 80 |
| 9 | Week 2 | 1 | 1 | 83 | 0 | 100 | 0 |
| 10 | Week 3 | 1 | 0 | 100 | 0 | 100 | 0 |
| 11 | Week 4 | 0 | 1 | 0 | 2 | 0 | 80 |
| 12 | Week 5 | 0 | 0 | 0 | 59 | 0 | 80 |
| 13 | Week 6 | 0 | 0 | 0 | 80 | 0 | 80 |
| 14 | Week 7 | 0 | 0 | 0 | 80 | 0 | 80 |
| 15 | Week 8 | 1 | 1 | 42 | 0 | 100 | 0 |
| 16 | Week 9 | 0 | 1 | 0 | 11 | 0 | 80 |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |
| 21 | | | | | | | |
| 22 | | | | | | | |
| 23 | (Inventory at end of week) | I_{hi} (Inventory at end of week) | Demand P | Demand H | Inventory Constraint P | Inventory Constraint H | |
| 24 | 125 | 143 | 0 | 0 | | | |
| 25 | 70 | 105 | 55 | 38 | 44 | 30.4 | |
| 26 | 98 | 67 | 55 | 38 | 35.2 | 24 | |
| 27 | 154 | 37 | 44 | 30 | 0 | 0 | |
| 28 | 154 | 39 | 0 | 0 | 36 | 38.4 | |
| 29 | 109 | 50 | 45 | 48 | 36 | 38.4 | |
| 30 | 64 | 82 | 45 | 48 | 28.8 | 46.4 | |
| 31 | 28 | 104 | 36 | 58 | 28 | 45.6 | |
| 32 | 35 | 47 | 35 | 57 | 28 | 46.4 | |
| 33 | 0 | 0 | 35 | 58 | 0 | 0 | |
| 34 | | | | | | | |
| 35 | Cost Minimize | \$ 126,034.74 | | | | | |