

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