

! Keywords: Break Even Point / Inventory / Marketing / Product Management / Product Mix /  
Production / Sales;

Maximize 15.89 B34 + 17.89 B38 + 16.50 B48 + 15.22 B58  
+ 17.5 B42 + 16.22 B52

subject to

0.1111111 B34 + 0.1111111 B38 <= 35 ! Machine  
0.1666667 B48 + 0.1666667 B42 <= 35 ! capacities  
0.2222222 B58 + 0.2222222 B52 <= 35 ! in hours

! Shipping capacity in(1000');

B34 + B38 + B48 + B58 + B42 + B52 <= 600  
B34 >= 218 ! Production  
B38 + B48 + B58 >= 114 ! requirements  
B42 + B52 >= 111 ! in 1,000's of feet

END