

# [Baron falcon dart, llc (case study)](https://assignbuster.com/baron-falcon-dart-llc-case-study/)

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Production Engineers Ralph W. Blackberries, Director RE: Master scheduling August Information This is a summary of what Falcon King’s production schedule looked like in the month of August. The company is going out of business at the end of October.   
Production sequence   
Begin inventory   
Production   
Demand   
End   
inventory   
A dart   
1, 200   
0   
1, 200   
0   
Third   
B dart   
0   
600   
650   
0   
Second   
BLUE   
0   
1, 000   
1, 000   
0   
First   
GREEN (was set up at beginning of month))   
0   
400   
240   
160   
WHITE   
0   
0   
0   
0   
Accepted orders   
The company has accepted the following orders for the months of September and October.   
Sept.   
Oct.   
A   
100   
1, 000   
B   
400   
600   
BLUE   
200   
1000   
GREEN   
100   
1250   
WHITE   
200   
300   
Assignments   
1) Develop a master schedule for the months of September and October. The objective is to maximize profits over these months. According to company policy, there must be zero inventories at the end of October as the company will have no room to store merchandise.   
2) Provide recommendations from a LEAN PERSPECTIVE   
A summary of setup, sales price, material cost, and estimated holding costs is provided in the table below.   
Setup time, sales price, and cost info   
Product   
Set up time   
Production rate   
Sales price   
Material cost   
Shortage policy   
Holding cost   
A   
40 hr   
5 darts/hr   
$8/dart   
$5/dart   
Lost sale   
(no backlogging)   
$100 flat fee if EndInv