Johnson Company produces three products (A,B,C). During the coming period, Johnson anticipates to have 7,500 direct labor hours and 5,500 machine hours available. Provided the following data, calculate how much of each product Johnson should produce (assume that Johnson maintains no inventories of finished product). Direct labor cost is $28/hour.

A B C

Direct materials cost/unit $55 $86 $102

Variable overhead/unit $23 $40 $39

Fixed overhead/unit $52 $65 $74

Selling price/unit $240 $400 $460

Labor hours/unit 1.5 3.5 3

Machine hours/unit 1 2.5 3

Forecast demand in units 1,400 1,100 700