A computer company plans to sell two versions of a laptop (Laptop 1 and Laptop 2) at a price of $295.00 and $450.00 with a cost (COGS) of $250.00 and $400.00.

Max Monthly Demand for Laptop 1 is 200 units.

Min Monthly Demand for Laptop 2 is 100 units.

Total COGS should not exceed $70,000.00.

What number of units will maximize Contribution Margin?

(Contribution Margin = CM = Amount that can cover all none assigned costs and profit).

List Goal (Objective), Variables (including Decision Variables), Objective function (formula to maximize) and constraints.

Solve on paper with Linear Algebra, then in Excel using Solver.