DECESION VARIABLES

No of backpacks each type to be made.

No of units:

Collegiate - C

Minis - M

OBJECTIVE FUNCTION

Maximize the profit

MaxP = 32C+24M

CONSTRAINTS

Limited Resources

3C + 2M <= 5000

C <= 1000

M <= 1200

MATHEMATICAL FORMULATION OF THE LP PROBLEM

45C + 40M <= 35\*40\*60

45C + 40M <= 8400

C,M >= 0