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