**H.No - 17K41A05E1**

**Name - S.Pavan Kumar**

**Assingment 1 on Linear Optimization :**

**Mathematical Equation :**

Decision variable

Decision Variables:

x, y

Objective Function:

Max Z = 50x + 120y

Constraints:

1)7000x + 2000y <= 7,00,000

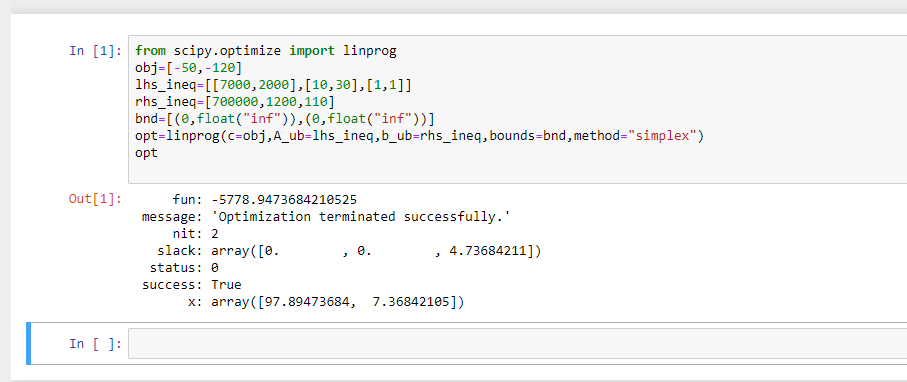
2)10x+ 30y <= 1200

3)x + y <= 110

Boundaries:

X, Y >= 0

**Python Code :**

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