**Candy Shops**

Alpenlibe and Eclairs are the two candy firm who wanted to collaborate in order to maximize their total profit, by deciding how much candies each company should produce. It costs Alpenlibedollars to produce candies and costs Eclairs to produce the same. If total candies are produced, consumer will be paying 300 − Z dollars for each candy.

**Mathematical Model: -**

*Parameters (Inputs):*

*Decision Variables:*

*Objective:*

*Constraints:*

**Excel Model:**

