**Q2:**

The given optimization demonstrates that the "Total Profit" encompasses a most extreme esteem of $108,973.2566. Based on the limitations and variable cells that have been given, this esteem speaks to the most noteworthy conceivable benefit.

The ideal amounts for each item (X1 to X26) have been recognized after analyzing the variable cells. For example, the perfect sum for thing X1 is 150 units, whereas for thing X2, it is 250 units. The results of the optimization handle are spoken to by these numbers.

The model's limitations ensure that certain conditions are met. For instance, Basic 1 demonstrates that the supreme creation sum, everything being raised to, shouldn't surpass 500 units. The report affirms that the full amount of all items created is without a doubt 500 units, assembling this limitation.

Another necessity, Confinement 4, sets a lower bound on the advancement of thing X9 at 100 units. This limitation is met by the ideal amount of 100 units, as shown by the variable cell for X9.

The effect of each item on the objective work (profit) is appeared by the fetched coefficients in each variable cell. Item X5, for occasion, contains a taken a toll coefficient of $300, which shows that each unit contributes $300 to the general profit. We are able to decide its commitment to the general benefit by increasing the amount of X5 with its fetched coefficient, as expressed within the report.

The reasonable increments and diminishes give experiences into the reach inside which the variable qualities can be changed without influencing the ideal arrangement. These qualities help in grasping the adaptability of the model.