Class 4(BIG-M Method)

Make a **menu driven program** with the following options using BIG-M method

(a) List of all BFS

(b) Number of Iterations to solve the problem

(c) List of all Non-basic variables along with net evaluations in *ith* (user input) iteration

(d) List of Basic variables along with min ratios in *ith* iteration (e) simplex table of *ith* (user input) iteration (f) optimal solution (if exists otherwise generate report for infeasibility, unboundedness, alternative optimum etc.)

1. Maximize Subject to , ≥
2. Minimize Subject to ≥
3. Maximize Subject to , ≥
4. Maximize Subject to , ≥
5. Maximize Subject to , ≥