Page No. Big m method as charnels Big m method or primal penalty method or Artificial variable Technique. If some of the constraintrest of = or = type then they will not contain any basic variables. Just to have a basic variable in each of them, a new vaniable will be called Artificial vaniable will be introduced in each of such constraint with a positive unit coefficient If the objective function is of maximization type, then the coefficient of the axtificial variable in the objective function should by -M. otherwise, it should be +M where m is a very large value. Rules in simplex method.

** To convert general to standard = add a slack variable = subtract a surplus variable = Nothing.

