

# Dual Simplex algorithm:

optimize the dependent

- (i) write given LPP in standard form & obtain a start b.s.
- (ii) (a) if current basic solution is of S 2 simplex method to obtain optimal solution.  
(b) if current basic solution is infeasible
- (iii) check whether the solution is optimum  
(a) In the solution is not optimum in artificial cost in such a way the condition of opti is satisfied.  
(b) if the soln is optimum
- (iv) select the basic variable at the most & the row corresponding to leaving variable  
(v) obtain the ratio of the net evaluation to the corresponding coefficient of the non basic variable associated with positive & negative.  
the entering vector on the smallest value of the ratio column corresponding to entering vector becomes the  
(vi) reduce the leading element into empty by elementary row operation.  
go to ~~step~~ step (ii) & repeat the procedure an obtain b.s. & again.