

- **In a LP with 2 variables and 3 constraints, a basis has**
 - a) Exactly 2 variables .
 - b) Exactly 3 variables .
 - c) 2 or more variables.
 - d) 3 or more variables.

- **There are four variants of the simplex method solutions**
 - a) Degenerate, disturbed, dispersed, and infeasible solutions.
 - b) Degenerate, robust, real, and non-real solutions.
 - c) Degenerate, unbounded, alternate optima, and infeasible sols.
 - d) Easy, doable, hard-to-get, and too-hard-to-get solutions.

- **The simplex algorithm could break due to**
 - a) Infeasibility.
 - b) Unboundeness.
 - c) Degeneracy.
 - d) Microsoft Windows.

- **The revised simplex method involves**
 - a) Too many subscripts and superscripts.
 - b) Using matrices.
 - c) Using artificial variables.
 - d) Revising your LP solution to incorporate real factors.