

- **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.