Linear Programming Glossary

Term	Definition
Constraints	The limitations or restrictions on the variables in a linear programming problem
Objective function	The mathematical expression that is to be optimized (maximized or minimized) in a linear programming problem
Feasible region	The set of all possible solutions that satisfy the constraints in a linear programming problem
Optimal solution	The solution that maximizes or minimizes the objective function while satisfying all the constraints
Simplex method	An iterative method for solving linear programming problems by moving from one basic feasible solution to another to find the optimal solution
Graphical method	A method for solving linear programming problems with two variables by graphing the constraints and determining the optimal solution from the feasible region
Sensitivity analysis	The process of determining how the optimal solution changes when the coefficients in the objective function or the constraints are varied
Corner points	The points where the boundary lines of the feasible region intersect
Degenerate solutions	A solution in which one or more of the basic variables is zero