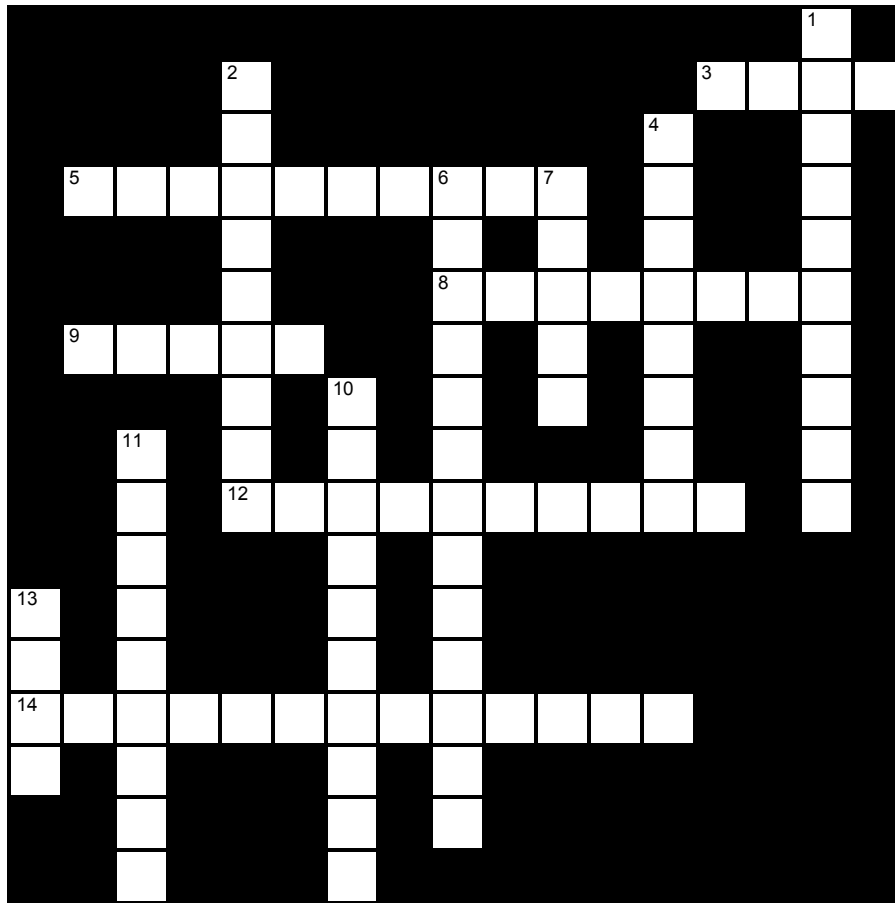


Anderson, Sweeney, Williams, Wisniewski: An Introduction to Management Science Chapters 1-3



Across

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| <p>3 '___ price' is the change in the value of the objective function per unit increase in the right-hand side of a constraint. (4)</p> <p>5 A set of observations of a variable measured at successive points in time or over successive periods of time. (4,6)</p> <p>8 A '___ solution' is one that satisfies all the constraints. (8)</p> <p>9 An abstract representation of a real object or situation. (5)</p> <p>12 In mathematical programming a ___ constraint is one that does pass through the optimal solution and therefore</p> | <p>does not bind, or restrict, the solution from improving further. (3-7)</p> <p>14 '___ constraints' are a set of constraints that requires all variables to be non-negative. (3-10)</p> | <p>4 A '___ variable' is a controllable value for a linear programming model. (8)</p> <p>6 The situation in which no solution to the problem satisfies all the constraints. (13)</p> <p>7 A '___ variable' is added to the left-hand side of a less-than-or-equal-to constraint to convert the constraint into an equality. The value of this variable can usually be interpreted as the amount of unused resource. (5)</p> <p>10 A restriction or limitation imposed on a problem. In a mathematical programming model a mathematical</p> |
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Down

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|---|---|--|
| <p>1 Numerical values that appear in the mathematical relationships of a model. (10)</p> <p>2 The ___ point is the volume at which total revenue equals total cost. (9)</p> | <p>relationship that imposes a restriction on possible solutions to the problem. (10)</p> <p>11 If the value of the solution may be made infinitely large in a maximization linear programming problem or infinitely small in a minimization problem without violating any of the constraints, the problem is said to be _____. (9)</p> <p>13 A ___ cost is one that is not affected by the decision made. It will be incurred no matter what values the decision variables assume. (4)</p> | |
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