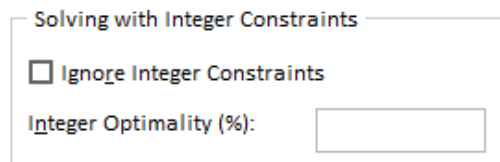


Integer Programming

- Integer programming models are harder to solve than linear programming models.
 - It takes longer for Solver to find a solution for integer programming problems.
 - Sometimes Solver can only find a _____ solution.
- In Solver → Options,



The screenshot shows the 'Solving with Integer Constraints' section of the Solver Options dialog box. It contains a checkbox labeled 'Ignore Integer Constraints' which is currently unchecked. Below this checkbox is a label 'Integer Optimality (%)' followed by an empty text input box.

Integer Programming

- Integer variables
 - Examples: number of ads, etc.
- Binary variables (0-1 variables)
 - Examples: whether a social link is on the shortest path or not, whether Netflix should open a distribution center in South Bend or not, etc.