Answer on Question #85717 - Math - Other

Question

Solve the following LPP by two phase simplex method: Maximize Z = X + 2Y + 3ZSubject to X + 2Y + 3Z = 15 2X + Y + 5Y = 20 X + 2Y + Z + W = 10 $X, Y, Z, W \ge 0$ Solution

Maximize Z = X + 2Y + 3Z

Subject to X + 2Y + 3Z = 15Then Z = X + 2Y + 3Z = 15X + 2Y = 15 - 3Z = 15 - 3(15) = -30 < 0But *X*, *Y*, *Z*, *W* ≥ 0 There is no solution. **Answer:** There is no solution.