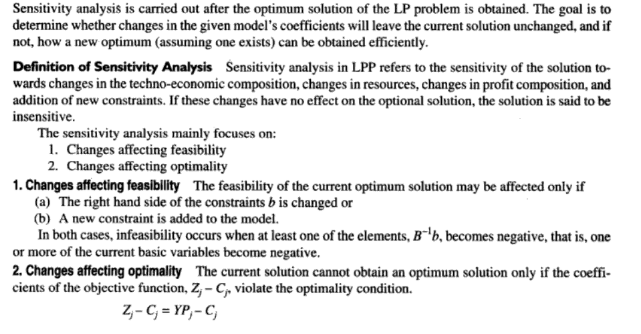
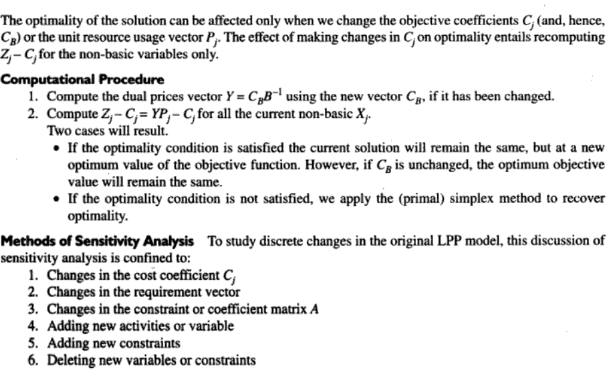
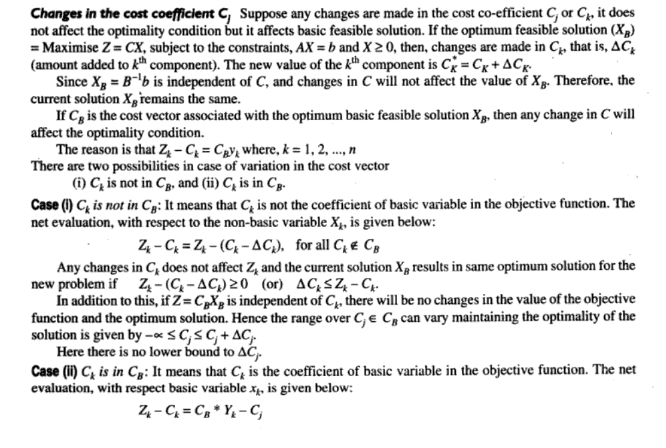
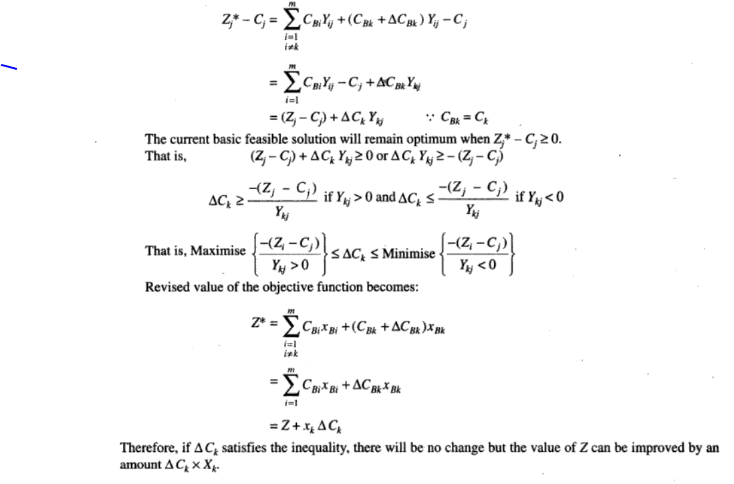
SESSINON-5 SENSITIVITY ANALYSIS

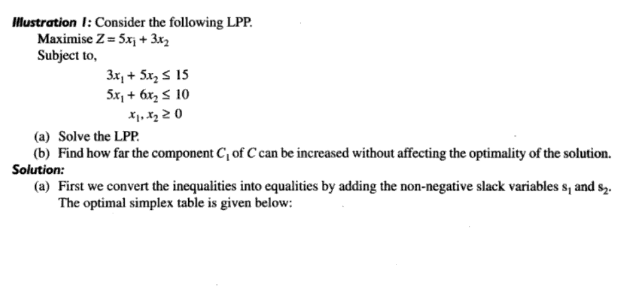
**SESSION-5**

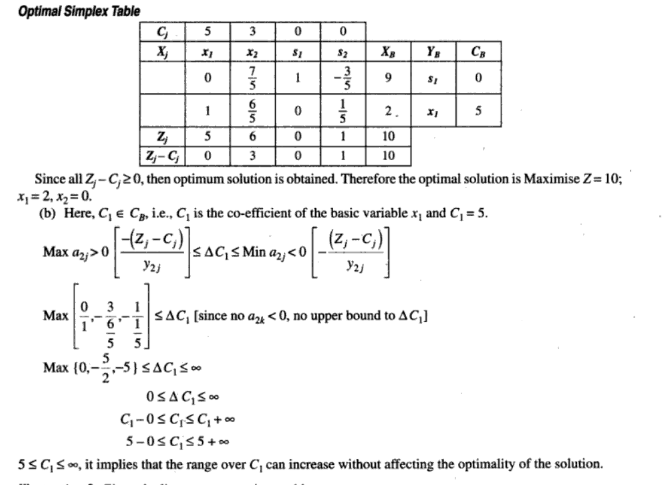


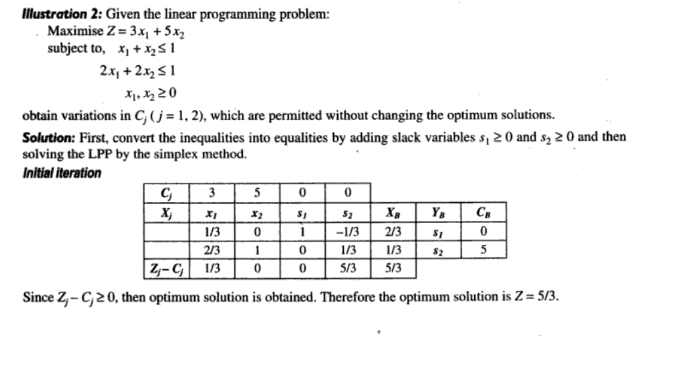


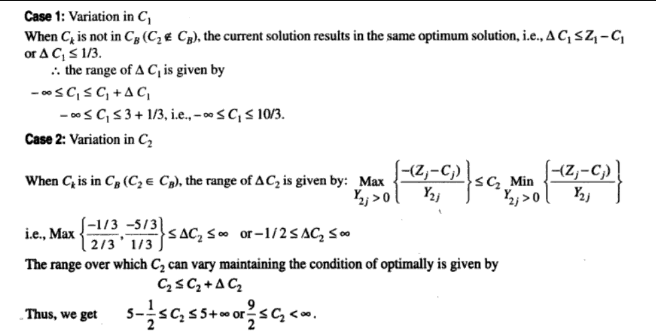


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**PROBLEMS:**

**1. Solve the problem and discuss sensitivity analysis of changing c vector(cost values of decision variables**

**Maximize z = 2 ,**

**subject to ,**

**3,**

**and**

**2. Solve using the Simplex method and discuss sensitivity analysis of changing c vector(cost values 0f decision variables**

**Maximize z = 16 x1 + 15x2 ,**

**Subject to:  40x1 +31x2  ≤ 124 ,  – x1­ + x2 ≤ 1 , x1 ≤ 3 , x1, x2 ≥ 0.**