

National Institute of Technology Durgapur

Dept. of Computer Science & Engineering

Assignment 4

CSS752: Modeling and Simulation Lab

MODI's Method for Transportation Problem

Problem 1:

Find the optimum solution to the following transportation problem in which the cells contain the unit transportation cost in rupees.

	W1	W2	W3	W4	W5	Available
F1	7	6	4	5	9	40
F2	8	5	6	7	8	30
F3	6	8	9	6	5	20
F4	5	7	7	8	6	10
Required	30	30	15	20	5	

Use NWCR and LCM for initial basic feasible solution.

Formulate the mathematical model for the above TP problem and find the optimal solution in both cases one for NWCR and other for LCM.