

Optimization - EE5327

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Problem 10

Question

Consider the transportation problem given below. The bracketed elements in the table indicate a feasible solution and the elements on the left hand corner are the costs c_{ij}

				a_i
	2	5	1	1
	(1)			2
	1	3	4	
		(1)	(1)	
b_j	1	1	1	3

Solution.

Answer is Option A.

Apply the northwest method on original problem as mentioned in the manual, the solution obtained is same as in picture. Since, The above allocation is obtained by applying northwest method. Thus, it is initial basic feasible solution.