

SECTION - 5

1: TRANSPORTATION PROBLEM:

The transportation problem is a special type of linear programming problem where the objective is to minimize the cost of distribute a product from a number of sources or origins to a number of destinations.

Because of its special structure the usual simplex method is not suitable for solving transportation problem as a whole.

In OR it is concerned with finding the minimum cost of transporting a single commodity from a given number of sources to a given number of destinations.

DIFFERENCE 04-07-2020

TRANSPORTATION

ASSIGNMENT

• No. of sources and No. of destinations need not be equal.

• The cost matrix is not necessarily a square matrix.

• The problem is unbalanced if the total supply and total demand are not equal.

• problems of allocating multiple resources to multiple marketing

• Assignment is done on basis, No. of sources & No. of destinations are equal.

• The cost matrix must be a square matrix.

• The problem is unbalanced if the cost matrix is not a square matrix.

• Problems of allocating resources to Job.