

Q1 Define linear programming and important application of linear programming?

Ans Linear programming (LP) is an adaptable technique for assigning a fixed amount of resources among contending factors, in such a way that the objective is optimized and other defined conditions are also satisfied.

Application of linear programming

Linear programming is the most widely used.

technique of decision-making in business and industry and in various other fields. Linear

programming has been successfully applied to a variety of problems of management such as production, advertising, transportation, refinery problem, investment analysis etc.

1) Agricultural Application

2) Military Application

3) Industry Application