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1	Application of linear programming for Profit Maximization of a housing construction company	Ramakant Bhardwaj, Amit Kumar Jain, Hemlata Saxena,	Mathamatics	2020	978-93-87229-59-4	www.absbooksindia.com
2	Application of Linear Programming in Nurse (Female) Scheduling Problem	Amit Kumar Jain, Ramakant Bhardwaj, Dr. Hemlata Saxena	Mathamatics	2021	ISSN: 2583-1895	www.cpijr.com
3	Air-Liquid Interface Culture Model to Study Lung Cancer-Associated Cellular and Molecular Changes	Hina Agraval, Jiten R Sharma, Neeraj Dholia, Umesh C S Yadav	Zoology	2022	ISSN: 1940-6029	https://link.springer.com/protocol/10.1007/978-1-0716-1896-7_14



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4.

Application of Linear Programming for Profit Maximization of a Housing Construction Company:

A Case Study of Urbanization of Millennial
Consumers

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Amit Kumar Jain**

Hemlata Saxena***

8/9



Introduction

One of the most important branch of operation research is linear programming. Linear programming is a mathematical technique which contain the strategy of business activities to acquire an optimal solution. It is use for taking decision for optimization of problems that contain many constraints. It is use in many different areas such as in military, health systems, organization, transportation, assignment problems, industries and

Application of Linear Programming in Nurse (Female) Scheduling Problem

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Abstract: The main object of this paper is to find application of linear programming in Nurse (Female) Scheduling Problem and for this to find minimum number of nurses for a number of shifts (Morning, Evening and Night) for a particular hospital to minimize the overall hospital cost and fulfil its daily nursing staff demand.

Keywords: Linear Programming Model, Nurse Scheduling, Cost Minimization, Objective Function, Constraints, Lingo Software.

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