

بسم الله الرحمن الرحيم



HOSSAM MAGHRABY



شبكة المعلومات الجامعية

التوثيق الالكتروني والميكرو فيلم



HOSSAM MAGHRABY

جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
على هذه الأقراص المدمجة قد أعدت دون أية تغيرات



يجب أن

تحفظ هذه الأقراص المدمجة بعيدا عن الغبار

HOSSAM MAGHRABY



بعض الوثائق الأصلية تالفة



HOSSAM MAGHRABY



بالرسالة صفحات

لم ترد بالأصل



HOSSAM MAGHRABY

A Study on Multiplicative Mathematical Programming Problems

B.Y.Y.S

A THESIS

*Submitted to Department of Mathematics,
Faculty of Science, Tanta University
In the Partial Fulfillment of the
Requirement for the Degree of
Master in Science*

IN

OPERATION RESEARCHES

E. A. Younes

E. A. Younes

BY

MAHMOUD BADEE MAHMOUD ROKAYAA

*Department of Mathematics
Faculty of Science
Tanta University*

2003

100, 100, 100, 100

100, 100

100, 100

100, 100

100, 100

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

وَاقْرَأْ رَأْسَ نَارِ

SUPERVISORS

1. Ass. Prof. Dr. Ebrahim Abd-Allah Youness

*Assistant Professor of pure Mathematics (Operations Research),
Department of Mathematics, Faculty of Science,
Tanta University.*

2. Dr. Badr SAAD Badr

*Lecturer of Pure Mathematics (Numerical Analysis)
Department of Mathematics, Faculty of Science,
Tanta University.*

Head of Mathematics Department

Prof. Dr. E. M. El-Kholy

E. EL-Kholy

CURRICULUMVITAE

Name : *Mahmoud Badee Mahmoud Rokaya .*
Date of Birth : *30/11/1971.*
Locality : *Mehala Marhoom-Tanta-Gharbia.*
Nationality : *Egyptian.*
Qualifications : *B. Sc. In Mathematics (1997)*
Social Status : *Married*
Permanent Address : *Mehala Marhoom-Tanta-Gharbia.*

Head of Mathematics Department

Prof. Dr. *E. M. El-Kholy*

E. EL-Kholy

NOTE

The present Thesis is submitted to Tanta University in partial fulfillment of requirement of the degree of Master of Science in Mathematical Programming.

Beside the research work introduced in this thesis, the candidate has attended four graduate courses within two years including

1. Abstract Algebra
2. Numerical Analysis
3. Functional Analysis
4. Partial Differential Equations

The applicant *Mahmoud badee Mahmoud Rokayaa* has successfully passed the final examination (1998-1999) of these courses

Head of Mathematics Department

Prof. Dr. E. M. El-kholy

E. EL-kholy

