	Preface	III
I 1	Introduction Problem Analysis	1
_	1.1 Problem Statement	4 4
2	Recreational Mathematics 2.1 Definition	5 5
3	Origin of the Cube 3.1 Ernö Rubik	11 11 11 13
II	Theory	15
4	Terminology 4.1 General cube terminology	17 17 17 18
5	Group Theory 5.1 Permutations	21 21