

TABLE OF CONTENTS

	Page
TABLE OF CONTENTS	i
INTRODUCTION	1
Objectives	3
LITERATURE REVIEW	4
MATERIALS AND METHODS	10
Location and Duration of Research	11
RESULTS AND DISCUSSION	12
Greedy expansion	12
Lazy expansion	20
Numbers with unique q -expansion and numbers with exactly two q -expansions	24
Smallest base number for certain real numbers having unique q -expansion and smallest sequence of certain real number with exactly two q -expansions	28
CONCLUSION	34
LITERATURE CITED	36