

PYRAMIDS

HOW TO PLAY SCRABBLE LIKE A PRO

VOLUME 1

2 AND 3 LETTER WORDS
WITH FRONT AND BACK HOOKS

BEN QUICKPEN

PYRAMIDS

How to Play Scrabble Like a Pro

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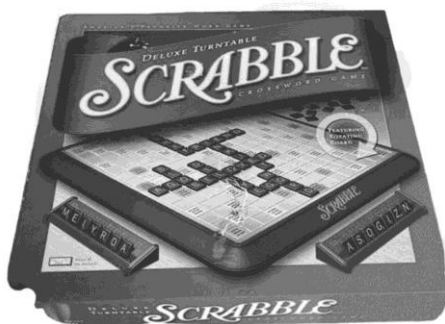
Ebi Excel Estate, OMPADEC

Amarata, Yenagoa,

Bayelsa State, Nigeria

Realifenonstop@gmail.com

+234(0)8082694467



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PRAISES FOR THE BOOK

What a wonderful project! It is ideal for beginners as well as professionals. The game of scrabble, though intellectual, has lots of technicalities – balancing of rack, getting hooks, forming the right words from tiles available, etc. This book is a channel with which others can benefit from the wealth of knowledge and experience of Ben Quickpen who emerged 10th at the World Scrabble Championship in Goa, India. This book is a must-have for every scrabble player.

- ***Sir Braveman Wodi,***
Director of Sports
Bayelsa State Sports Council

Having read almost all literature in scrabble, I can say without equivocation that Pyramids is one of its kind! Scrabble basics and theories doled out in scientific but easy-to-understand fashion and a worthwhile read even for pros.

- **Wellington Jighere**
World Scrabble Champion, 2015

This book is a must read for all Scrabble learners and enthusiasts. From casual players to seasoned wordsmiths, this book offers a delightful insight of word study and strategy.

- ***Enoch Nwali***

African Scrabble Champion, 2023,

Nigerian National Scrabble Champion, 2024

Pyramids is an invaluable resource for Scrabble players looking to elevate their game to championship levels. This concise yet comprehensive guide works you through the fundamentals with clear illustrations and helpful tips.

- ***Doko Oluwatimilehin***

West African Scrabble Champion, 2023

ACKNOWLEDGEMENTS

First and foremost I thank God Almighty who gave me the inspiration and the focus to write this book.

I sincerely thank the President of the Nigeria Scrabble Federation (NSF), Engr. Olobatoke Aka – a pragmatic and visionary leader, whose extraordinary leadership has placed Scrabble in the front burner of sports administration in Nigeria and even beyond. In fact, his selflessness and dedication to the development and growth of Scrabble transcends the administration to the development of individuals and talents for the overall growth of the game. I am particularly indebted to Engr. Aka for the gift of my first Scrabble Dictionary and Anagrams. Without his financial support and encouragement, this book would not have been published.

Many thanks also to the Vice President of the Nigerian Scrabble Federation, Engr. Bright Idahosa for his financial and moral support. It is worth noting that the explanations and illustrations on the first page of Pyramids was a suggestion given by him.

Many thanks to the President of the Pan Africa Scrabble Association (PANASA), Mr. Adekoyejo Adegbesan for his financial and moral support. A perfect gentleman, thoughtful and insightful; his contributions to the development of

Scrabble in Africa in such a short while that he is PANASA President cannot be overemphasized.

My appreciation also goes to the Commissioner of the Bayelsa State Ministry of Sports Development, Hon. Daniel Baraladei Igali for your immense contribution towards the advancement of sports in Bayelsa State and beyond. During your time as commissioner under the Prosperity Administration, the scrabble family in Nigeria has enjoyed tremendous support, patronage, and a reward system which has greatly enhanced the development of the game of scrabble.

I also want to thank the Director of Sports, Bayelsa State Sports Council, Sir Braveman Wodi, for his support – both financial and otherwise. During his time as Director of Sports, Bayelsa State has recorded unprecedented gigantic strides, milestones and feats in sports development.

I also specially thank the Chairman of the Bayelsa State Scrabble Association (BYSA), Mr. Daniel Alabrah who doubles as the Chief Press Secretary to the Bayelsa State Governor. Mr. Alabrah is a fine gentleman with exceptional leadership qualities which have manifested in his unwavering commitment to sports development in general and Scrabble in particular in Bayelsa State. With Mr. Alabrah as Chairman the game of Scrabble in Bayelsa has witnessed an impressive turnaround and spectacular growth.

His leadership has ensured that the state Scrabble family meets regularly for retreats that have helped to improve the performance of all players. It is also to his credit that the state now features in the yearly calendar of the Nigeria Scrabble Federation (NSF), with the birth of the Governor Douye Diri's National Scrabble Championship. Alabrah's financial and moral support were instrumental to the publication of this book.

Also worthy of mention is Mr. Adowei Ebikeme for his financial support towards the publishing of this book. Mr. Adowei – calm, affectionate and always loving – is *my elder brother from another mother*. He is also the captain of Lekki Scrabble Club. He has been a strong pillar of support towards the development of Scrabble in Nigeria as a whole.

I also greatly appreciate Engr. Ojior Osikhena, AKA "CAPO" for his financial support. Engr. Ojior is not only very kind and generous but is also a father figure to most Scrabble players in Nigeria, including myself. He is also a benefactor for the development of Scrabble in Nigeria.

I deem it important to also appreciate Mr. Emmanuel O. Musah Jr. for his financial support which made it possible for this book to be published on a renowned book selling platform such as Amazon.

My appreciation also goes to the Chairman, Bayelsa State Table Tennis Association (BYSTTA), Mr. Ama-Ebi Ebikpoladei Stow for his financial support. Mr. Stow's love, passion and dedication to sports development is not only evident in the game of Table Tennis in Bayelsa and Nigeria at large, but his generosity is felt in other sports in the state including Scrabble.

I also want to use this medium to appreciate the Bayelsa State Scrabble Association Chaired by Mr. Daniel Alabrah, all other executive members, and the entire members of the Bayelsa State Scrabble Association, for their overwhelming encouragement and support towards the production and successful launch of this book. My appreciation also goes to my Scrabble club – Yenagoa Scrabble Club – particularly its patrons in the persons of Sir Moses Owugha, Dr. Tare Dinyain, Barr Timi Woko (President), Mr. Abule Ateh (Vice President), Mr. Precious Igali (Secretary), Mr. Daubiri Owoupele (Treasurer), Miss Malafakumo Akpos Best (Captain) and Vincent Munanyo (Provost) and Chairman and Members of the Advisory Board, chaired by Dr. Ohaka Bright, prominent sponsors who support the patrons; Mr. Fidelis Bruce Olotu, Sir Mbeleokpo Aganaba, Hon. Famous Daunimigha, Mr. Dietei Olotu and others, and the entire members of the Yenagoa Scrabble Club for your support towards the production of this book.

Finally, I want to thank my Team: particularly Pastor Jephthah Preye, who worked tirelessly on the computer, designing, typing, editing, and publishing this work, and to Dr. Bright Ohaka, Akpos Malafakumo, Igali Precious, for your time in editing and proofreading the manuscripts. Thank you.

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PREFACE

PYRAMIDS was borne five years ago. I had just returned from the World Scrabble Championships in Goa, India, in 2019, where I represented Nigeria and was placed 10th position out of 135 players selected from 29 English speaking countries, with Nigeria winning the Best Country Trophy for the second time.

10th position on the one hand was exhilarating for me, but on the other hand I thought I should have done better if I had more knowledge. From then on I nursed an overwhelming desire to be perfect in the game of Scrabble – to know every word. “I want to be like Nigel Richards”, I thought to myself.

Nigel Richards is 3 times World Scrabble champion and was the eventual Winner in that championship in India. He seems to know every single word in the Dictionary! His dexterity and vocabulary is top notch.

I started to compile PYRAMIDS on my return from India. I am a perfectionist and I wanted that for me and the students I taught at that time.

This book is in different parts or volumes. The first Volume deals with two and three letter words, their anagrams, back and front hooks etc, and like a crescendo it ascends to longer words in subsequent volumes.

INTRODUCTION TO SCRABBLE

Scrabble was invented by Alfred Mosher Butts, an American architect in 1938, Poughkeepsie, New York, USA. It is a word game played by two to four players scoring points by placing tiles – each bearing a single letter – on a game board of 225 squares. The goal of scrabble is to earn the highest score by the end of the game.

There are 100 tiles in a scrabble game. There are 98 tiles with letters of the alphabet and two blank tiles. The letter tiles have score values indicated by the number at the bottom right of the letter, while there are two blank tiles which has no score value and can be used as any letter of the alphabets as preferred by a player. It is important also to know how many of each letter tiles are in a game of scrabble.

The table below gives their respective point values and their total number.

A ₁ ----- 9 Tiles	K ₅ ----- 1 Tile	U ₁ ----- 4 Tiles
B ₃ ----- 2 Tiles	L ₁ ----- 4 Tiles	V ₄ ----- 2 Tiles
C ₃ ----- 2 Tiles	M ₃ ----- 2 Tiles	W ₄ ----- 2 Tiles
D ₂ ----- 4 Tiles	N ₁ ----- 6 Tiles	X ₈ ----- 1 Tile
E ₁ ----- 12 Tiles	O ₁ ----- 8 Tiles	Y ₄ ----- 2 Tiles
F ₄ ----- 2 Tiles	P ₃ ----- 2 Tiles	Z ₁₀ ----- 1 Tile
G ₂ ----- 3 Tiles	Q ₁₀ ----- 1 Tile	Blank ₀ ---- 2 Tiles
H ₄ ----- 2 Tiles	R ₁ ----- 6 Tiles	
I ₁ ----- 9 Tiles	S ₁ ----- 4 Tiles	
J ₈ ----- 1 Tile	T ₁ ----- 6 Tiles	

TOTAL 98 + 2 Blank tiles = 100 Tiles

The board is marked with squares which multiply the numbers of point awarded. There are “triple word” squares in red, “triple letter” squares in deep blue, “double word” squares in pink and “double letter” squares in sky blue. On these squares, players can place letters and score.

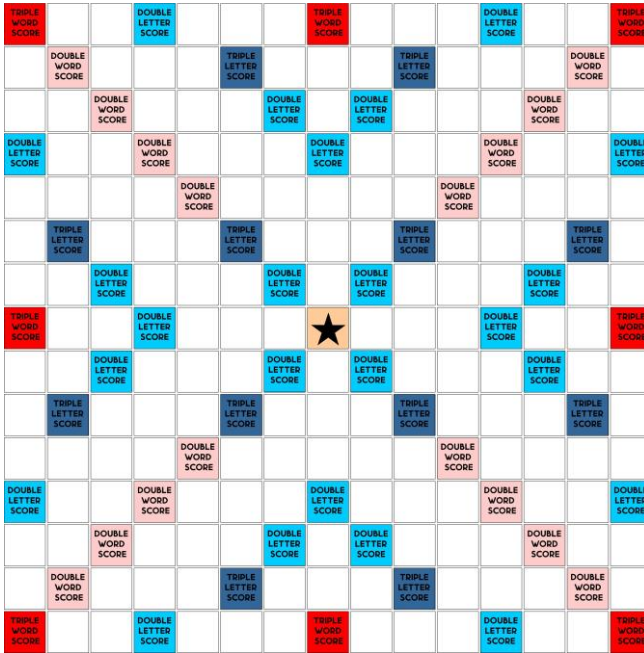




Figure 1: A pictorial scrabble board

GAME PLAY:

The player that goes first or plays first picks seven tiles without looking into the bag, sets them on a rack and place a word on the board with at least one of the letters of that word touching the centre star in the scrabble board. After playing or placing a word, the player then picks the exact number of tiles he had played from the bag, completing his turn. Player 2 plays and on it goes till all 100 tiles are out.

The letters placed in a single turn must all be in a single horizontal or vertical row. Each play is done by tacking or adding letters already played on the board with no gaps. Always keep 7 tiles on each rack unless there are less than 7 tiles in the bag.

A “challenge” is made when a player plays a word and the opponent wants to prove the validity of that word by checking. A dictionary, scrabble word checker in phones, computers – (mostly used in tournaments) etc, are used to check. If the play is acceptable  play continues, with the player taking extra points, but if the play is unacceptable,  the player takes his letters off the board and loses a turn. A “Bingo” or a “premium” (The equivalent of a homerun in Baseball) is a play in which a player puts all seven tiles on the board in a single move and gets a bonus score or marks of 50 points.

Now scrabble has different dictionaries for different versions. So for English Speaking countries, the CSW 2021 dictionary is currently being used. So in volume 1 of “pyramids” we shall study all two and three letter words because they form the bedrock of the game. Two and three letter words help players to connect words and score. We will show their anagrams, front and back hooks, indicating straight words and words that do not take a S.

Talking about hooks, a “hook” in scrabble is a letter tacked onto an existing word, forming a new word. A letter that is added to the beginning of a word is called a “front hook” example TAB – STAB, - S is added to TAB and it becomes STAB, NAKED – SNAKED, S is added to NAKED and it becomes SNAKED.

While a “back hook” is a letter that is added to the end of a word to form another word. Example BUS – BUSY, -Y is added to BUS and it forms a new word BUSY; CAN – CANE, an E is added to CAN and it forms a new word CANE.

MORE EXAMPLES FROM PYRAMIDS:

The first word in this book is AA, a two letter word. A player can only add B,C,F and M to it as a front hook forming BAA, CAA, FAA and MAA. Any other letter except (B,C,F,M) becomes a “chaff” an unacceptable play, so a player loses a turn if the opponent challenges. AA also has back hooks of (H,L,S) and so players can play AAH, AAL and AAS, any other letter added as a back hook becomes a “chaff” an unacceptable play and a player loses a turn.

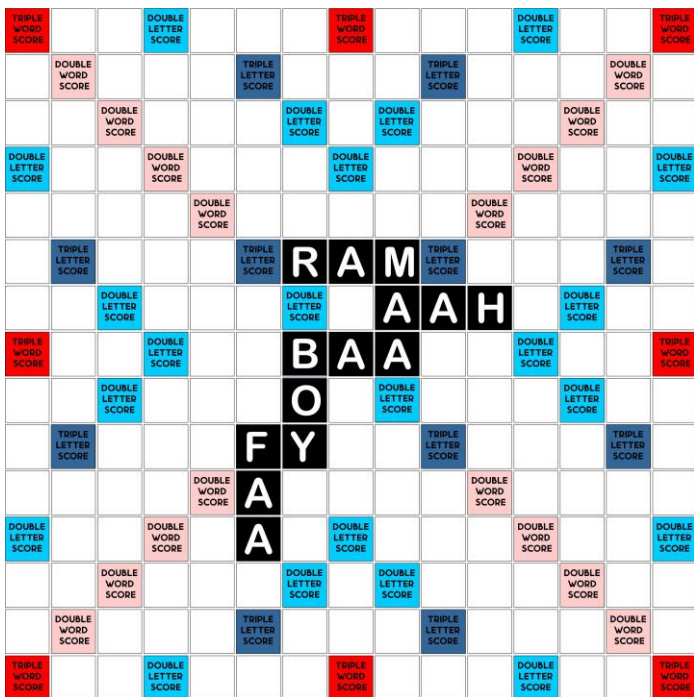


Figure 2: Pictorial illustration of front and back hook of AA

PLEASE TAKE NOTE

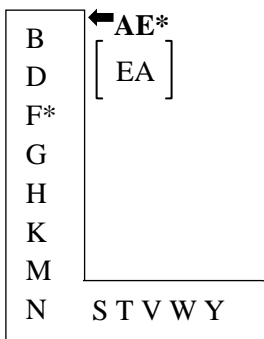
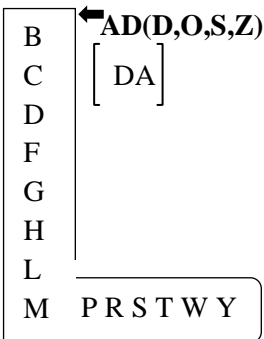
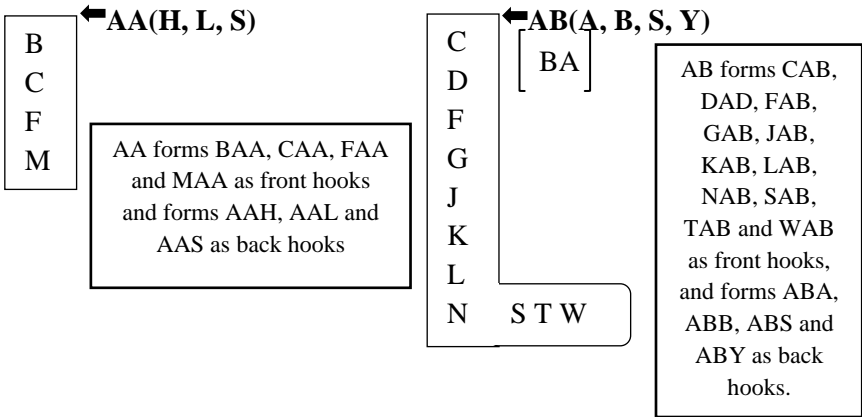
Asterisk (*) stands for letters that do not take a “S”. While () is use to show letters that come in front of a word. □ is use to show words that the letter takes behind. ▲ is used to indicate words that have a direct “s”.

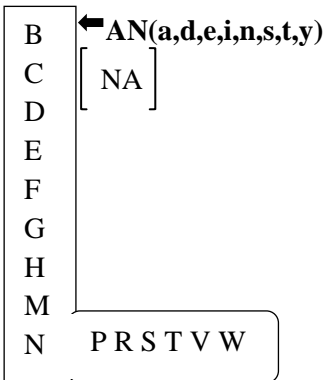
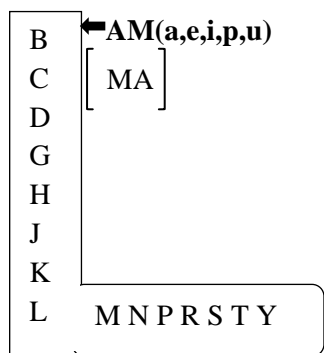
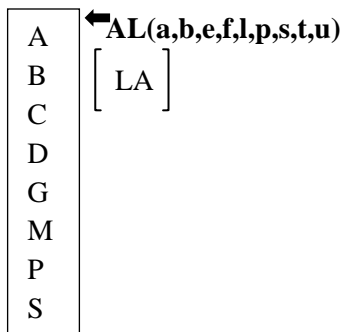
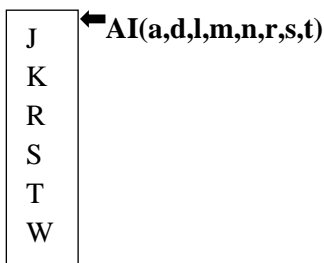
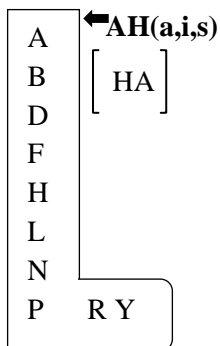
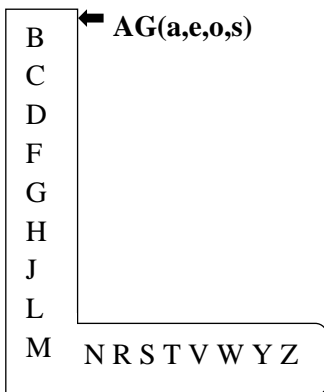
2 LETTER WORDS

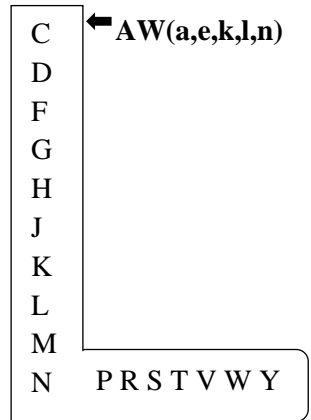
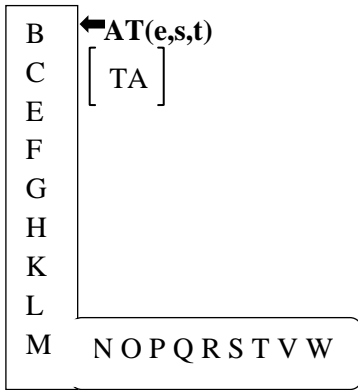
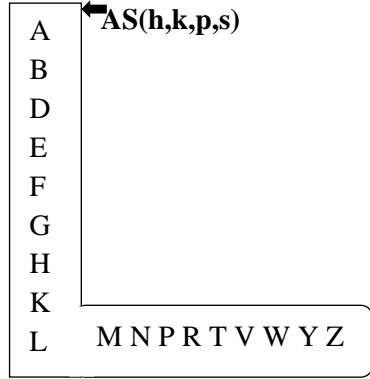
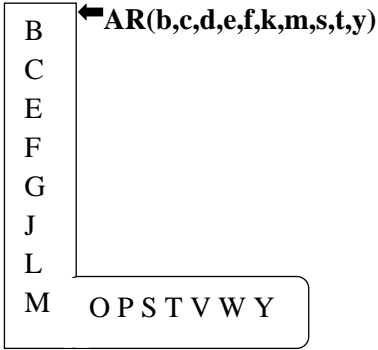


A WORDS (16 Words)

AA	AB	AD	AE*	AG	AH	AI	AL
AM	AN	AR	AS	AT	AW	AX	AY







←AX(e)

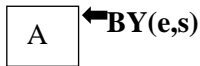
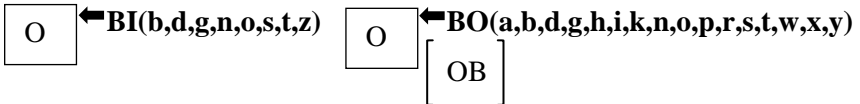
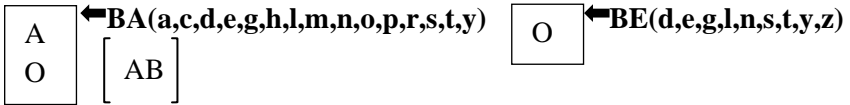
F
L
M
P
R
S
T
V
W
Z

←AY(e,s,u)

B	[YA]
C	
D	
F	
G	
H	
J	
K	
L	
M	
NPRSTWY	

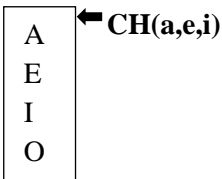
B WORDS (5 WORDS)

BA	BE	BI	BO	BY
----	----	----	----	----



C WORD (1 WORD)

NB: "C" goes with only 'h' as a two letter word, ie **CH**.



D WORDS (4 WORDS)

DA	DE	DI	DO
----	----	----	----

O ← DA(b,d,e,g,h,k,l,m,n,p,s,w,y)
[AD]

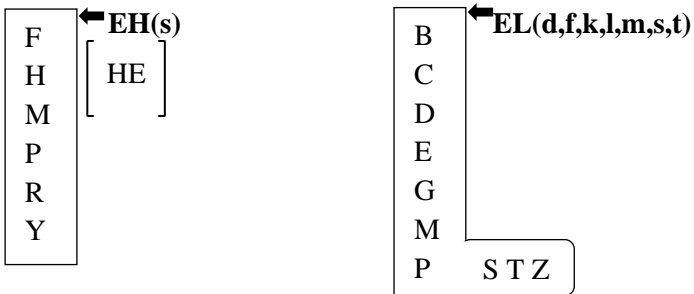
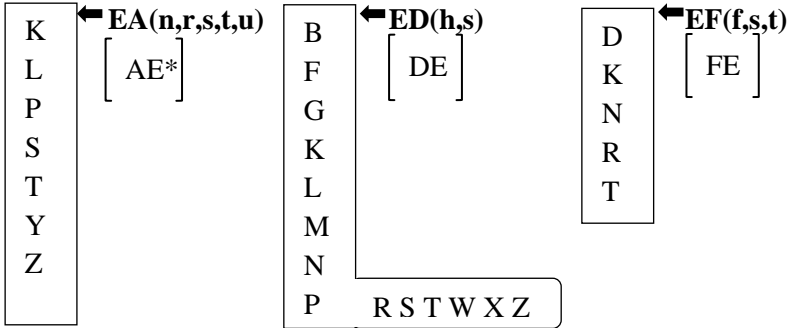
I
O ← DE(b,e,f,g,i,l,n,p,v,w,x,y)
[ED]

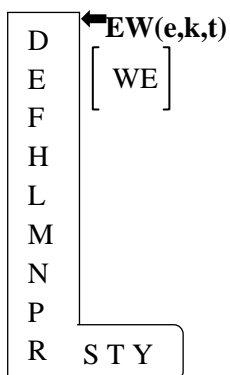
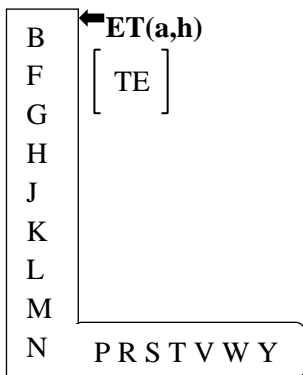
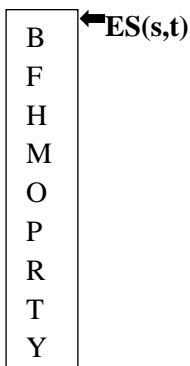
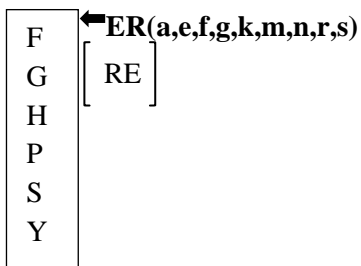
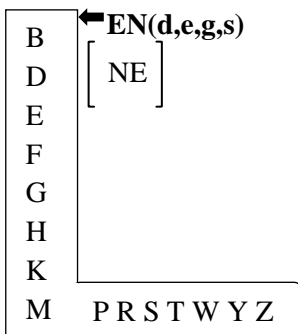
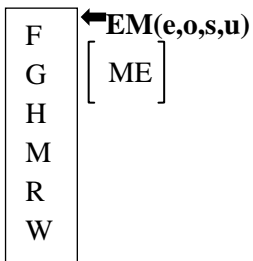
DI(b,d,e,f,g,m,n,p,s,t,v,)
[ID]

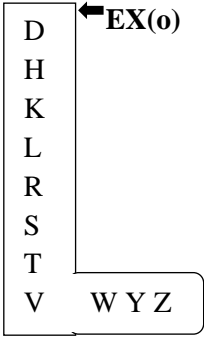
A
U ← DO(b,c,d,e,f,g,h,l,m,n,o,p,r,s,t,w,x,y)
[OD]

E WORDS (13 WORDS)

EA	ED	EE	EF	EH	EL	EM
EN	ER	ES	ET	EW	EX	







F WORDS (3 WORDS)

FA	FE	FY
----	----	----

FA(a,b,d,e,g,h,n,p,r,s,t,w,x,y) FE(d,e,g,h,m,n,r,s,t,u,w,y,z) FY*
[EF]

G WORDS (3 WORDS)

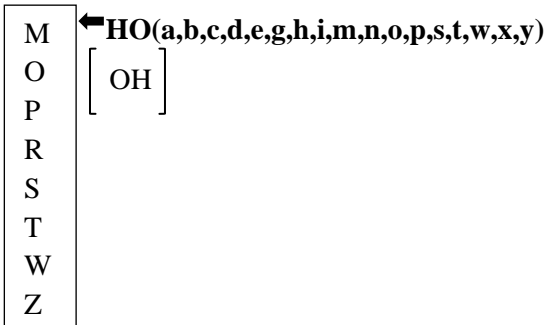
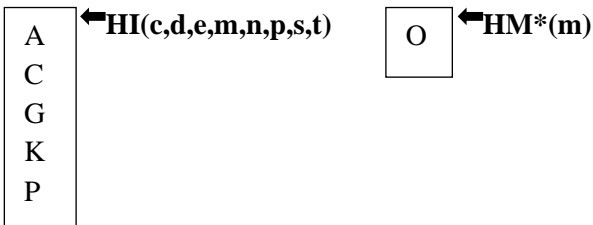
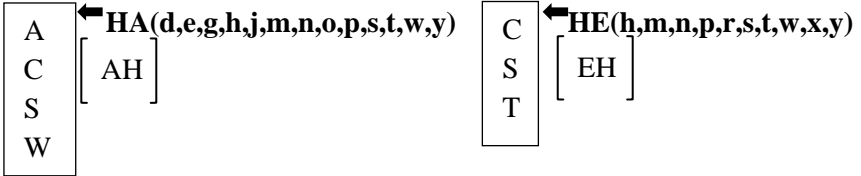
GI	GO	GU
----	----	----

GI(b,d,e,f,g,n,o,p,s,t) [A
E
Y] ← GO(a,b,d,e,n,o,r,s,t,v,x)

GU(b,e,l,m,n,p,r,s,t,v,y)
[UG]

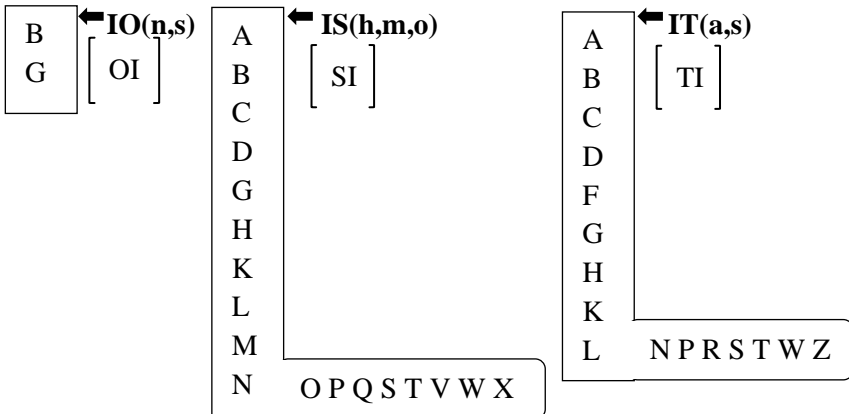
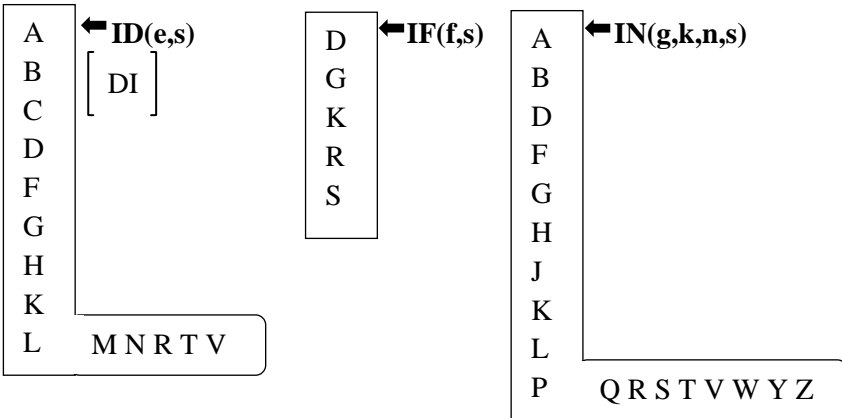
H WORDS (5 WORDS)

HA	HE	HI	HM	HO
----	----	----	----	----



I WORDS (6 WORDS)

ID	IF	IN	IO	IS	IT
----	----	----	----	----	----



J WORDS (2 WORDS)

JA	JO
----	----

JA(b,g,i,k,m,p,r,w,y)

JO(b,e,g,l,r,t,w,y)

K WORDS (4 WORDS)

KA	KI	KO	KY
----	----	----	----

A
O
S

←KA(b,e,f,i,k,m,s,t,w,y)

S

←KI(d,f,n,p,r,s,t)

KO(a,b,i,n,p,r,s,w)

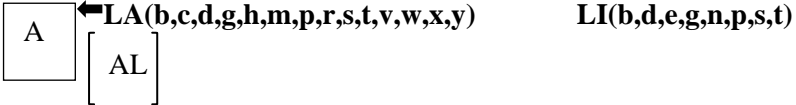
OK

S

←KY*(e,u)

L WORDS (3 WORDS)

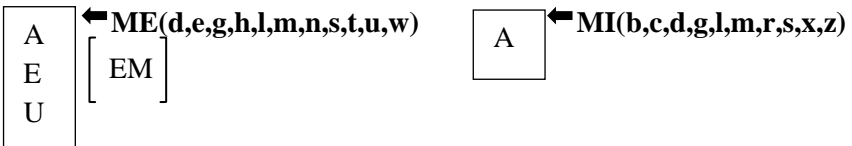
LA	LI	LO
----	----	----



LO(b,d,g,o,p,r,s,t,u,w,x,y)

M WORDS (7 WORDS)

MA	ME	MI	MM	MO	MU	MY
----	----	----	----	----	----	----



H
M
U ← MM*(m) E ← MO(a,b,c,d,e,g,i,l,m,n,o,p,r,s,t,u,w,y,z)
[OM]

A
E
U ← MU(d,g,m,n,s,t,x) MY*(c)
[UM]

N WORDS (5 WORDS)

NA	NE	NO	NU	NY
----	----	----	----	----

A
M ← NA(b,e,g,h,m,n,p,s,t,v,w,y) A
E
O ← NE(b,d,e,f,g,k,p,t,w)
[AN] [EN]

O ← NO(b,d,g,h,m,n,o,r,s,t,w,x,y) G ← NU(b,g,n,r,s,t)
[ON] [UN]

A ←NY(e,m,s)
 O
 S

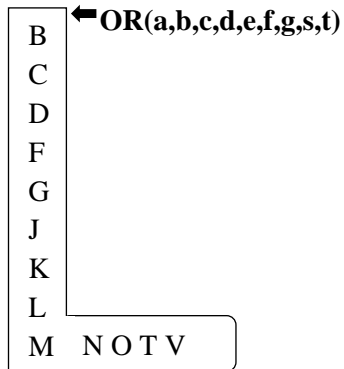
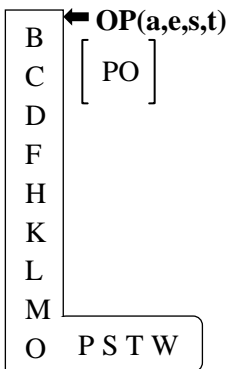
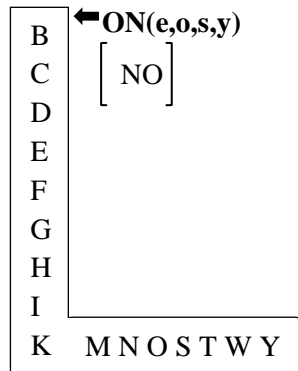
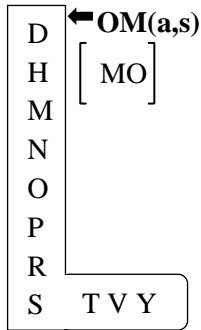
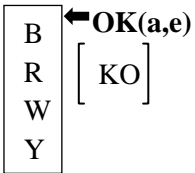
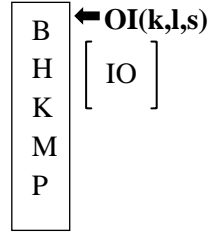
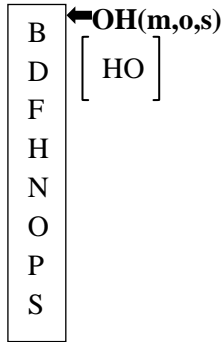
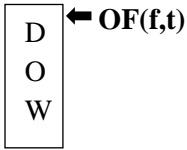
O WORDS (17 WORDS)

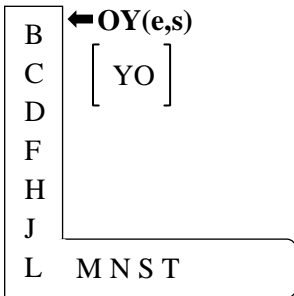
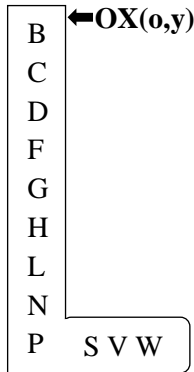
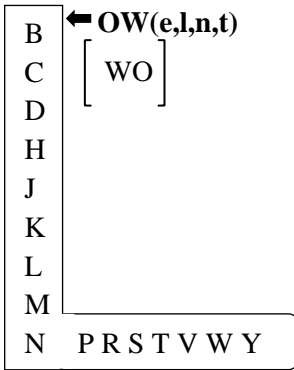
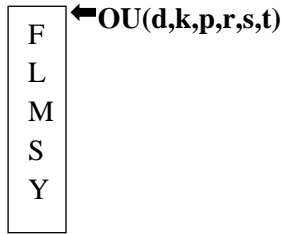
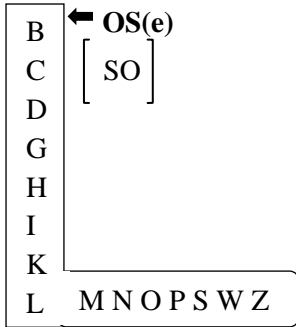
OB	OD	OE	OF	OH	OI	OK	OM	ON
OO	OP	OR	OS	OU	OW	OX	OY	

B ←OB(a,e,i,o,s)
 C
 D [BO]
 F
 G
 H
 J
 K
 L MNRSY

B ←OD(a,d,e,s)
 C
 D [DO]
 G
 H
 L
 M
 N
 P RSTY

D ←OE(s)
 F
 G
 H
 J
 M
 R
 T
 V
 W





P WORDS (4 WORDS)

PA	PE	PI	PO
----	----	----	----

← PA(c,d,h,k,l,m,n,p,r,s,t,v,w,x,y)

O
S

← PE(a,c,d,e,g,h,l,n,p,r,s,t,w) PI(a,c,e,g,n,p,r,s,t,u,x)

A
O

← PO(a,d,h,i,l,m,o,p,s,t,w,x,z)

A
U

[OP]

Q WORDS (1 WORD)

NB: QI is the ONLY 2 LETTER WORD FOR Q

QI(n,s)

R WORDS (1 WORD)

NB: RE IS THE ONLY 2 LETTER WORD

← **RE(b,c,d,e,f,g,h,i,m,n,o,p,s,t,v,w,x,z)**

A
E
I
O
P
U

[ER]

S WORDS (4 WORDS)

SH	SI	SO	ST
----	----	----	----

← **SH(a,e,h,o,y)**

A
I

← **SI(b,c,f,g,k,m,n,p,r,s,t,x)**

P

[IS]

← **SO(b,c,d,g,h,l,m,n,p,s,t,u,v,w,x,y,z)**

D
I

[OS]

← **ST(y)**

E
P

T WORDS (4 WORDS)

TA	TE	TI	TO
----	----	----	----

E
I
U

← TA(b,d,e,g,i,j,k,m,n,o,p,r,s,t,u,v,w,x,y)

[AT]

A
U

← TE(a,c,d,e,f,g,l,n,s,t,w,x)

[ET]

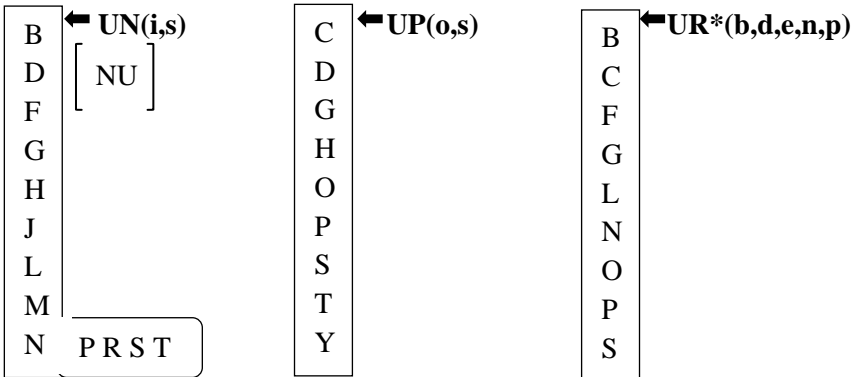
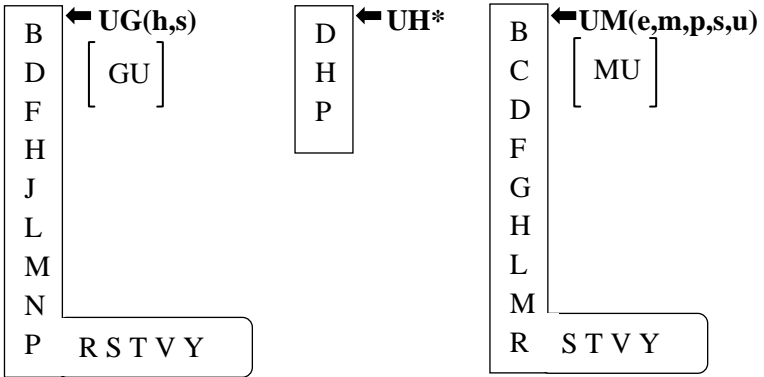
TI(c,d,e,g,k,l,n,p,s,t,x,z)

[IT]

TO(c,d,e,g,m,n,o,p,r,t,w,y)

U WORDS (8 WORDS)

UG	UH	UM	UN	UP	UR	US	UT
----	----	----	----	----	----	----	----



← **US(e)**

B
G
J
M
N
O
P
S
W
Y

← **UT(a,e,s,u)**

B
C
G
H
J
M
N
O
P
R
T

W WORDS (2 WORDS)

WE	WO
----	----

← **WE(b,d,e,m,n,t,x,y)**

A
E
O

[EW]

← **WO(e,f,k,n,o,p,s,t,w,x)**

T

[OW]

X WORDS (2 WORDS)

XI	XU
----	----

XI(s)

XU*

Y WORDS (4 WORDS)

YA	YE	YO	YU
----	----	----	----

← YA(d,e,g,h,k,m,p,r,s,w,y)
P
R [AY]

← YE(a,h,n,p,r,s,t,w,x,z)
A
B
D
E
H
K
L
N
O
P RSTW

YO(b,d,k,m,n,u,w)

[OY]

← YU(g,k,m,p,s)
A
K
R

Z WORDS (3 WORDS)

ZA	ZE	ZO
----	----	----

ZA(g,p,s,x)

ZE(a,d,e,k,l,n,p,x)

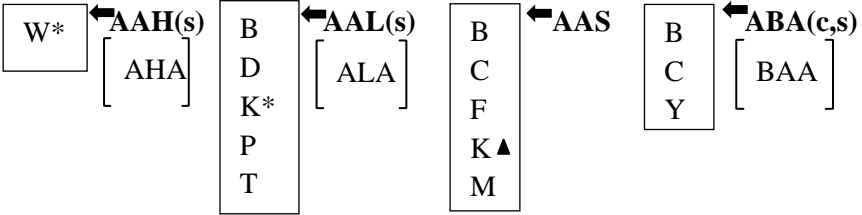
←ZO(a,l,o,s)

A
D

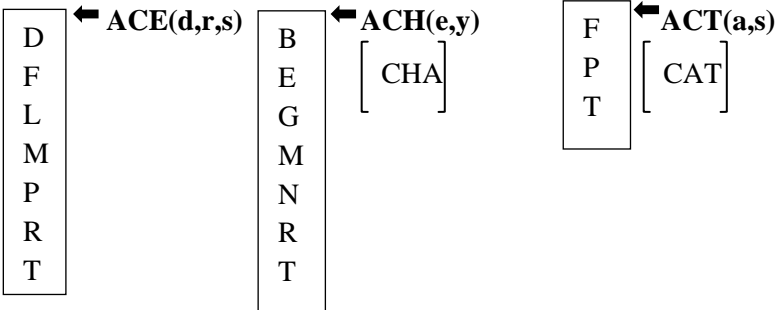
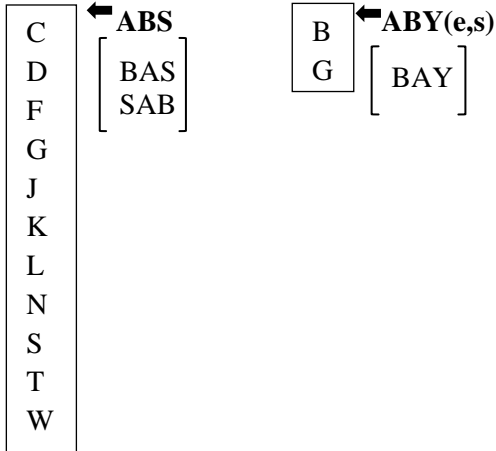
3 LETTER
WORDS

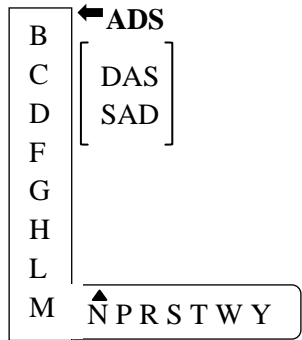
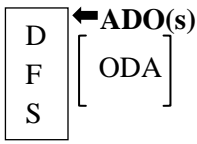
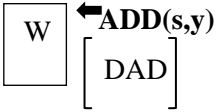
A B C

A WORDS (94 WORDS)

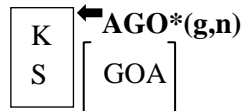
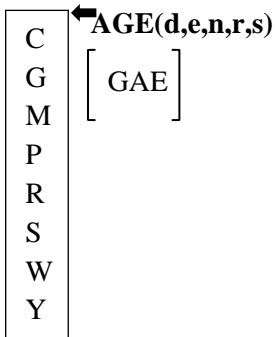
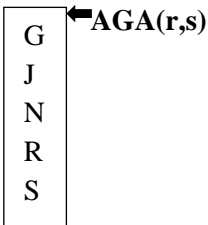
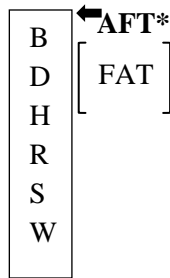
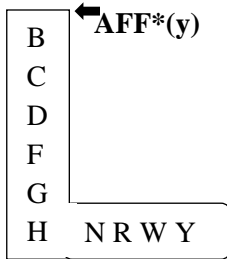


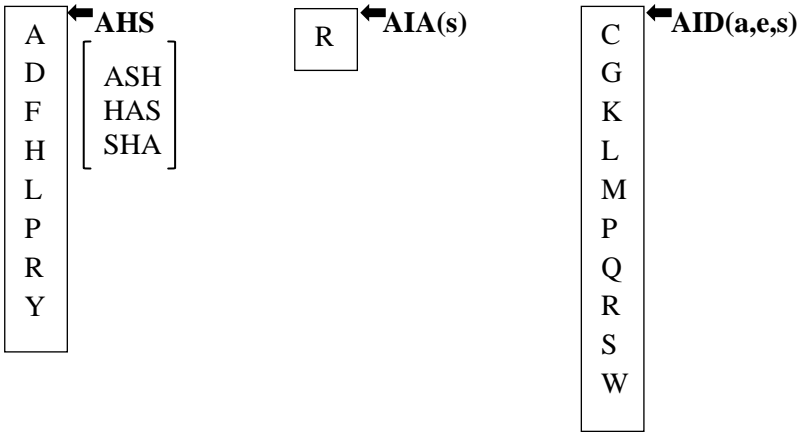
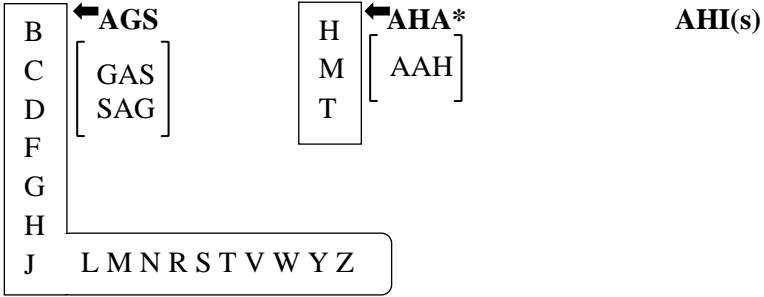
ABB(a,e,s)

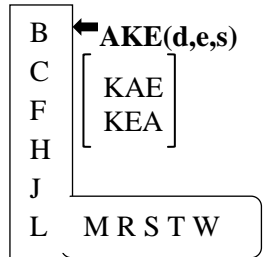
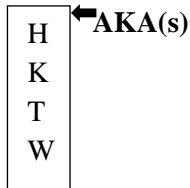
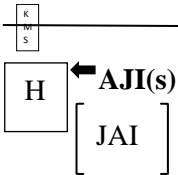
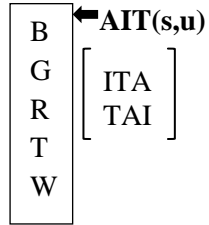
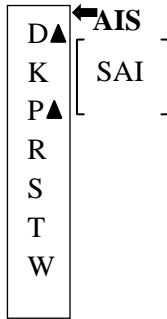
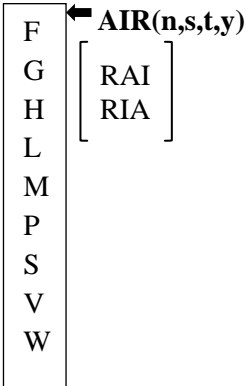
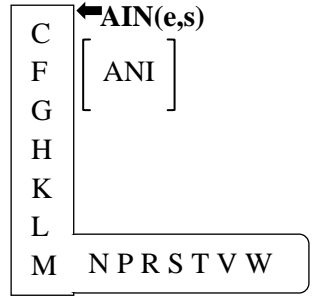
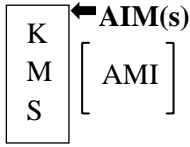
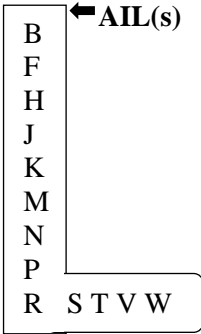


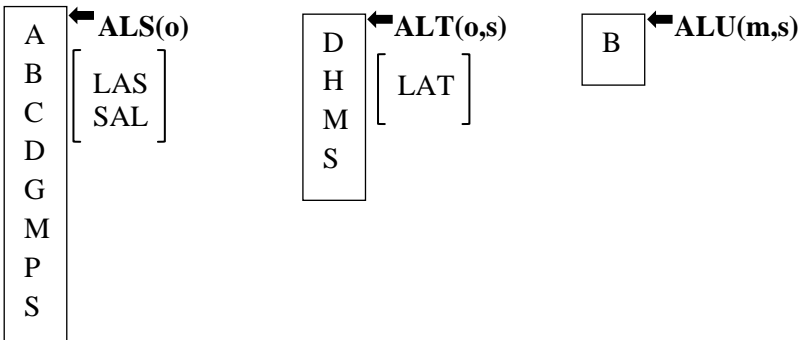
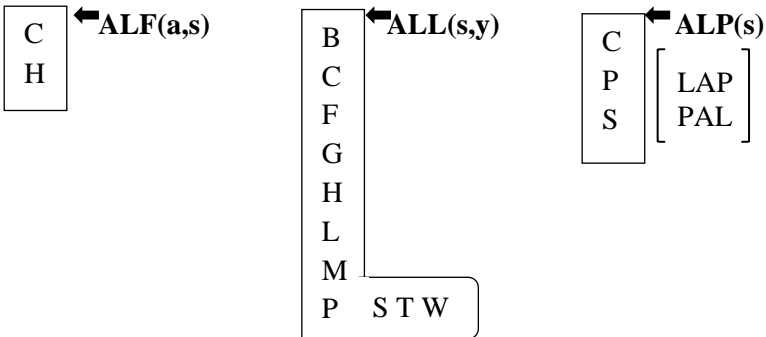
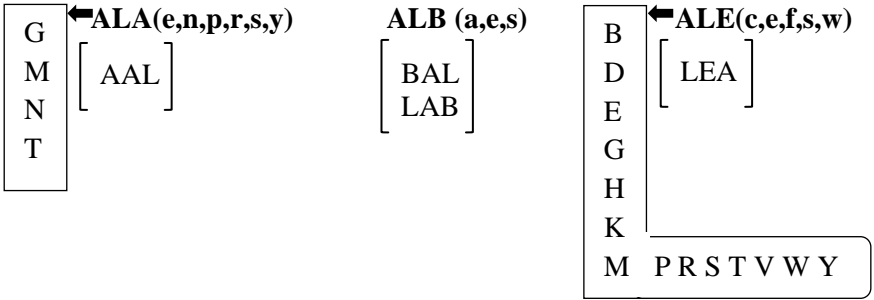


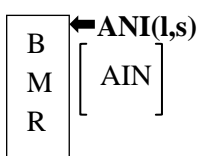
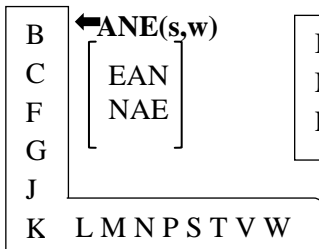
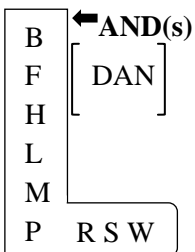
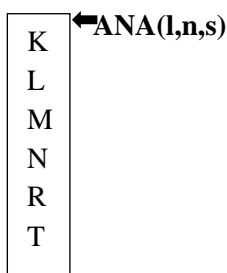
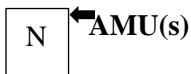
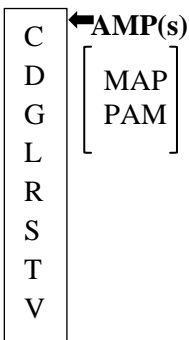
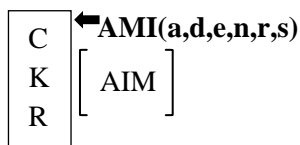
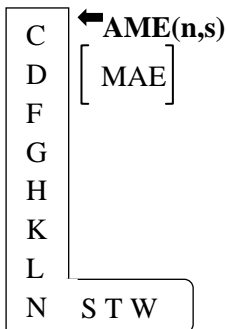
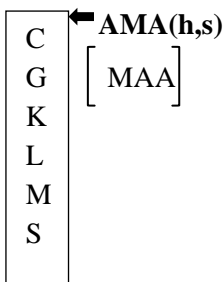
ADZ(e)

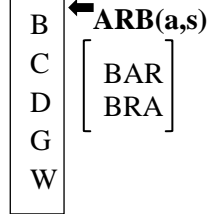
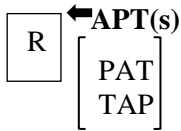
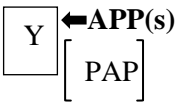
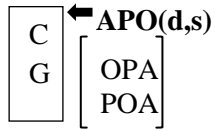
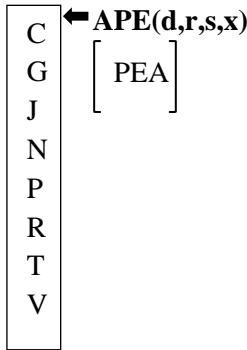
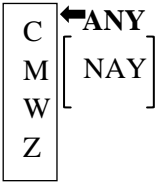
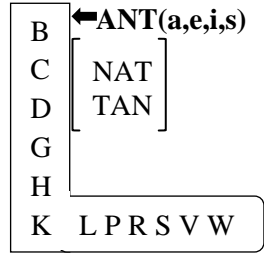
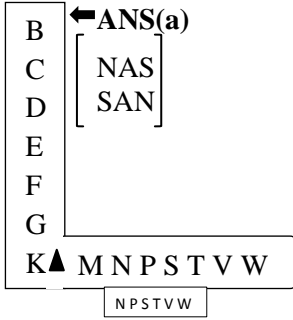
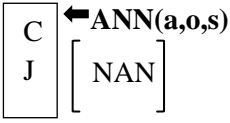


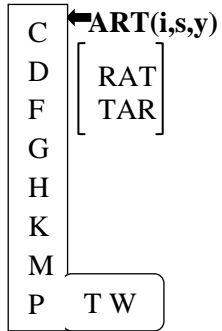
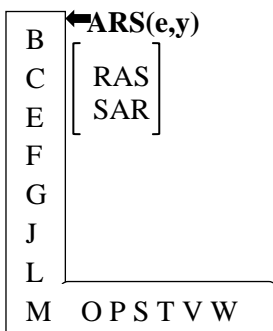
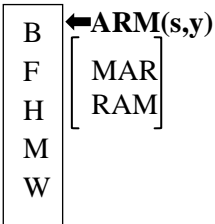
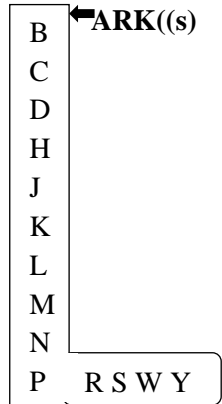
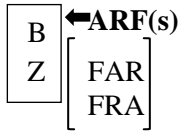
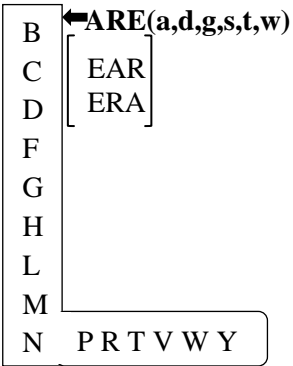
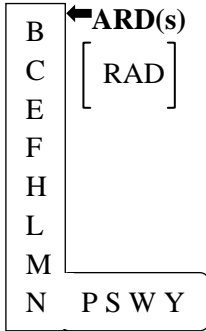
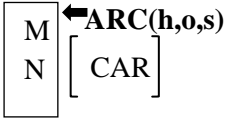


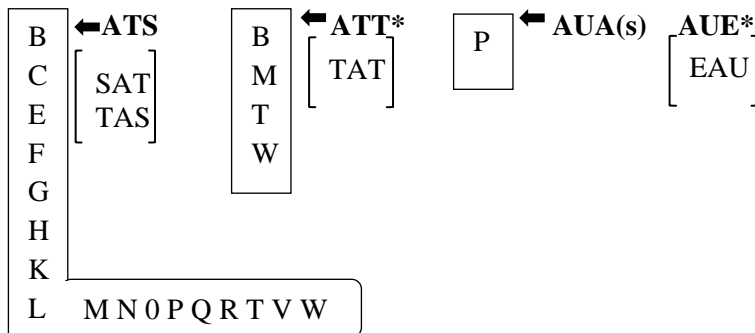
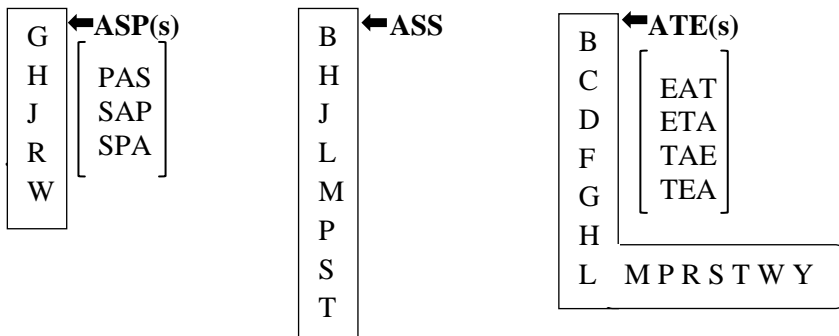
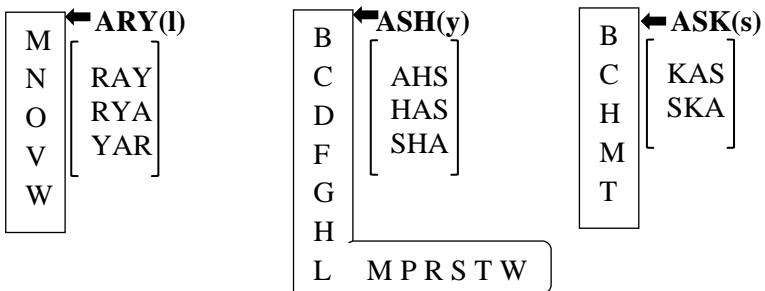


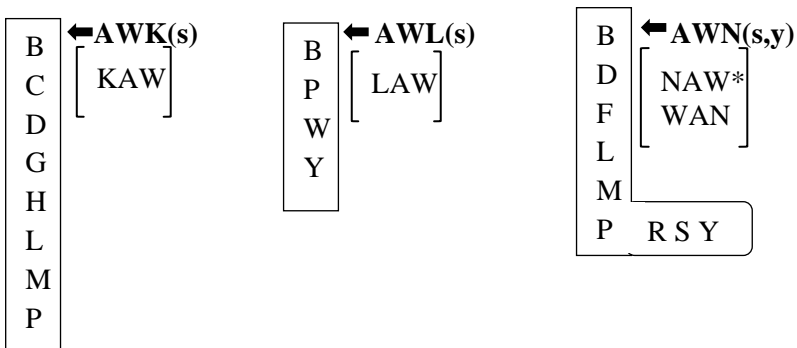
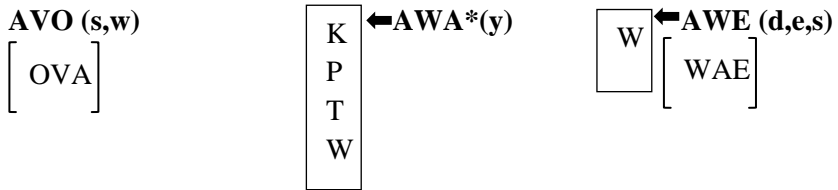
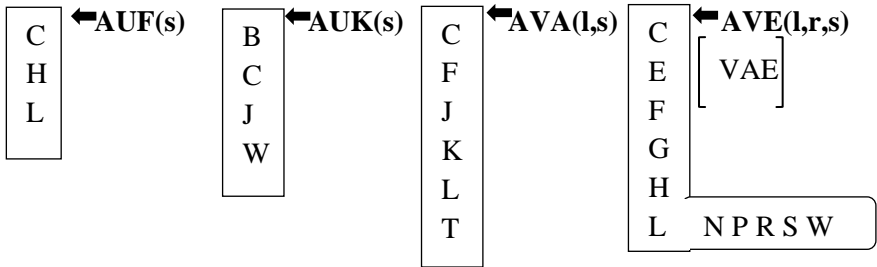












S ← AXE(d,l,s)

B ← AYE(s)
[YAE*
YEA]

←AYS
B [SAY]
C [YAS]
D
F
G
H
J
K LMNPRSTWY

AYU(s)

L ← AZO*(n)
[ZOA]

B WORDS (63 WORDS)

BAA(l,s)

[ABA]

A ← **BAC(h,k,s)**

[CAB]

BAD(e,s)

[DAB]

BAE(l,s)

BAG(h,s)

[GAB]

BAH*(t,u)

BAL(d,e,k,l,m,s,u)

[ALB
LAB]

BAM(s)

BAN(c,d,e,g,i,k,s,t)

[NAB]

BAO(s)

[BOA
OBA]

BAP(s,u)

K ← **BAR(b,d,e,f,k,m,n,p,s)**

[ARB
BRA]

A ← **BAS(e,h,k,s,t)**

[ABS
SAB]

BAT(e,h,s,t)

[TAB]

BAY(e,s,t)

[ABY]

A ← **BED(e,s,u)**

[DEB]

BEE(f,n,p,r,s,t)

BEG(o,s)

BEL(l,s,t)

BEN(d,e,i,j,s,t)
[NEB]

[O] ← **BES(t)**

[A] ← **BET(a,e,h,s)**
Y

[O] ← **BEY(s)**
[BYE]

BEZ

BIB(b,e,s)

[A] ← **BID(e,i,s)**
[DIB]

BIG(a,g,s)
[GIB]

BIN(d,e,g,k,s)
[NIB]

BIO(g,s)
[BOI]
[OBI]

[I▲] ← **BIS(e,h,k,t)**
[O] [SIB]

[O] ← **BIT(e,o,s,t)** **BIZ(e)** **BOA(b,k,r,s,t)**
[BAO]
[OBA]

BOB(a,o,s)

BOD(e,s,y)
[DOB]

BOG(s,y)
[GOB]

BOH(o,s)
[HOB]

BOI(l,s)
[BIO]
[OBI]

BOK(e,o,s)
[KOB]

[E] ← **BON*(a,d,e,g,k,y)**
[NOB]

BOO(b,h,k,l,m,n,r,s,t)
[OBO]

BOP(s)

BOR(a,d,e,k,m,n,s,t)

[
BRO
ORB
ROB
]

O

←**BOS(h,k,s)**

[
OBS
SOB
]

BOT(a,e,h,s,t)

BOW(l,r,s)

BOX(y)

BOY(f,g,o,s)

[
YOB
]

BRA(d,e,g,k,n,p,s,t,w,y)

[
ARB
BAR
]

BRO(d,g,o,s,w)

[
BOR
ORB
ROB
]

BRR*(r)

BRU(s,t,x)

[
BUR
RUB
URB
]

BUB(a,o,s,u)

BUD(a,i,o,s)

[
DUB
]

BUG(s)

[
GUB
]

BUM(f,p,s)

BUN(a,d,g,k,n,s,t)

[
NUB
]

BUR(a,b,d,g,k,l,n,p,r,s,y) **BUS(h,k,s,t,y)** **A** ← **BUT(e,s,t)**
[BRU] [SUB] [TUB]
[RUB]
[URB]

BUY(s) **A** ← **BYE(s)** **A** ← **BYS**
 [BEY]

C WORDS (50 WORDS)

CAA(s) **S** ← **CAB(a,s)** **E** ← **CAD(e,i,s)**
 [BAC] [S]

CAF(e,f,s) **S** ← **CAG(e,s,y)** **CAL(f,k,l,m,o,p,s,x)**
 [LAC]

S ← **CAM(a,e,i,o,p,s)** **S** ← **CAN(e,g,n,s,t,y)**
[MAC]

CAP(a,e,h,i,o,s)

[PAC]

S

← **CAR(b,d,e,k,l,n,p,r,s,t)**

[ARC]

S

← **CAT(e,s)**

[ACT]

S

← **CAW(k,s)**

CAY(s)

CAZ(h)

CEE(s)

CEL(l,s,t)

CEP(e,s)

[PEC]

CHA(d,i,l,m,o,p,r,s,t,v,w,y)

[ACH]

A
E
O

← **CHE(f,m,r,w,z)**

[ECH]

CHI(a,b,c,d,k,n,p,s,t,v,z)

[HIC
ICH]

A

← **CID(e,s)**

CIG(s)

CIS(t)

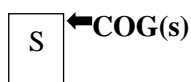
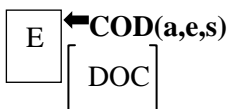
[SIC]

CIT(e,o,s,y)

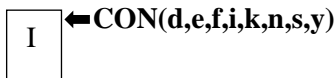
[TIC]

CLY

COB(b,s)



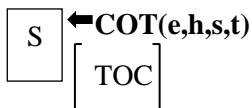
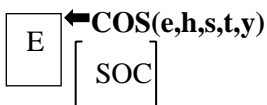
COL(a.d.e.l,s,t,y)



COO(f,k,l,m,n,p,s,t)



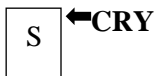
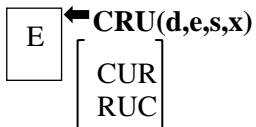
COR(d,e,f,k,m,n,s,y)



COX(a,y)

COY(s)

COZ(e,y)



CUB(e,s)

S ← CUD(s)

CUE(d,s)
[ECU]

S ← CUM(s)

S ← CUP(s)

S ← CUR(b,d,e,f,l,n,r,s,t)
[CRU
RUC]

S ← CUT(e,s)

CUZ

CWM(s)

D WORDS (69 WORDS)

DAB(s)
[BAD]

DAD(a,o,s)
[ADD]

DAE(s)

DAG(s)
[GAD]

O ← DAH(l,s)
[HAD]

DAK(s)

O ← DAL(e,i,s,t)
[LAD]

DAM(e,n,p,s)
[MAD]

DAN(g,k,s,t)
[AND]

DAP(s)
[PAD]

DAS(h)
O
[ADS
SAD]

DAW(d,k,n,s,t)
A
[WAD]

DAY(s)
[YAD]

DEB(e,s,t)
[BED]

DEE(d,k,m,n,p,r,s,t,v)
I

DEF*(i,o,t,y)
[FED]

DEG(s,u)
[GED]

DEI*(d,f,l)
[IDE
DIE]

DEL(e,f,i,l,o,s,t)
[ELD
LED]

DEN(e,i,s,t,y)
[END
NED]

DEP(s)
[PED]

DEV(a,i,o,s) **DEW(s,y)**
[WED]

DEX(y)
[XED*]

DEY(s)
[DYE]

DIB(s)
[BID]

DID*(o,y)

DIE(b,d,l,s,t)
[DEI
IDE]

DIF(f,s)
[FID]

DIG(s)
[GID]

DIM(e,p,s)
[MID]

DIN(e,g,k,o,s,t)
[NID]

DIP(s,t)

DIS(a,c,h,k,s)
[IDS]

A
E

←**DIT**(a,e,s,t,z)
[TID]

DIV(a,e,i,o,s)
[VID]

DOB(e,s,y)
[BOD]

DOC(k,o,s,u)
[COD]

DOD(o,s)
[ODD]

DOE(k,n,r,s)
[ODE]

DOF*(f)

DOG(e,s,y)
[GOD]

DOH(s)
[HOD]

I

←**DOL**(e,l,s,t)
[LOD
OLD]

DOM(e,s,y)
[MOD]

U

←**DON**(a,e,g,s)
[NOD]

DOO(b,k,l,m,n,r,s)

DOP(a,e,s,y)
[POD]

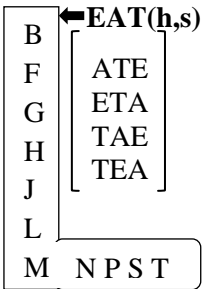
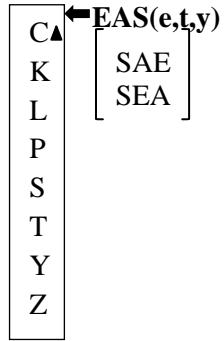
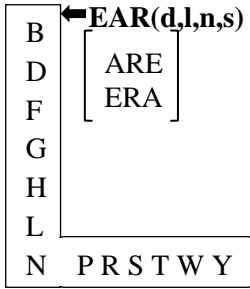
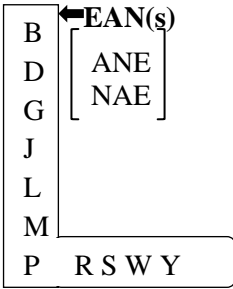
O

←**DOR**(b,e,k,m,p,r,s,t,y)
[ORD
ROD]

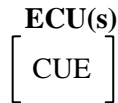
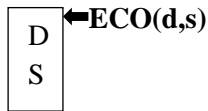
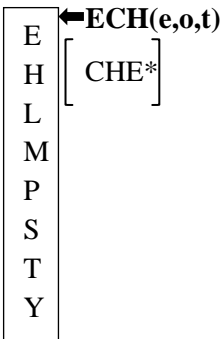
A
U

←**DOS**(a,e,h,s,t)
[DSO
ODS
SOD]

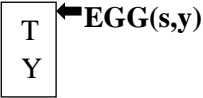
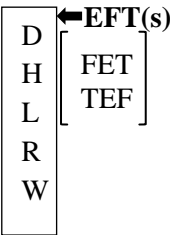
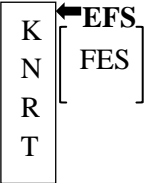
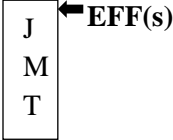
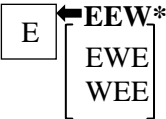
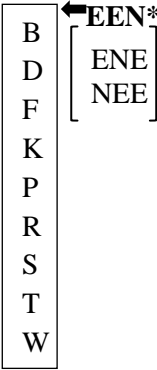
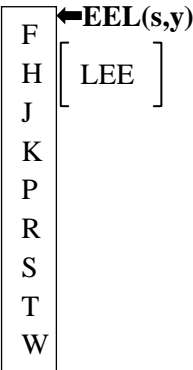
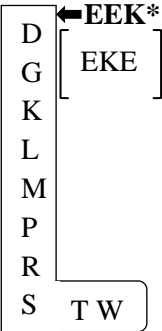
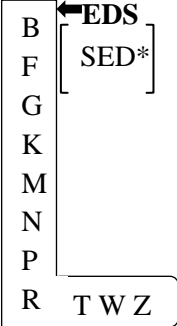
E WORDS (60 WORDS)

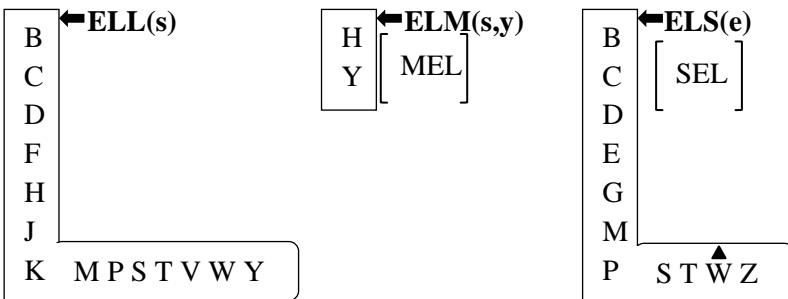
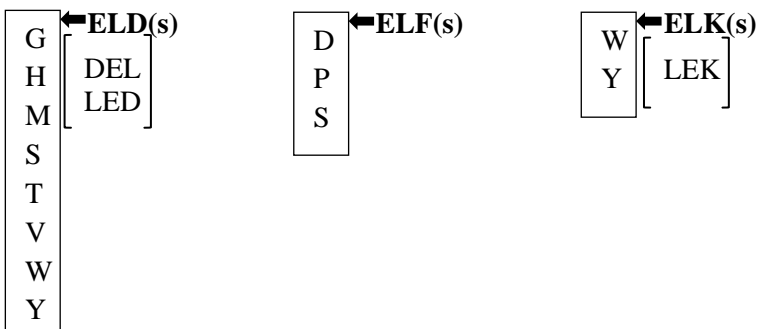
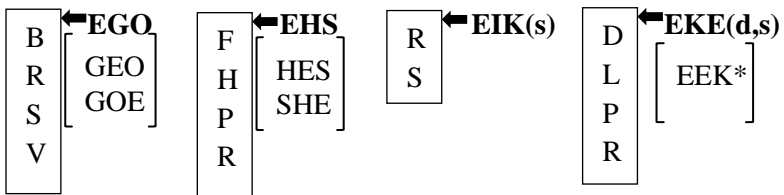


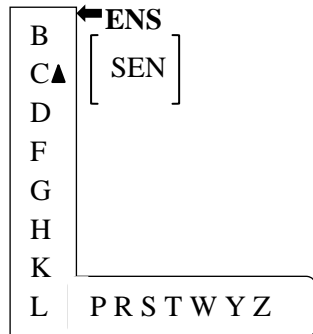
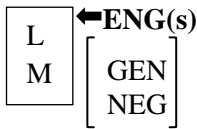
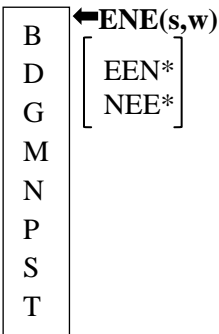
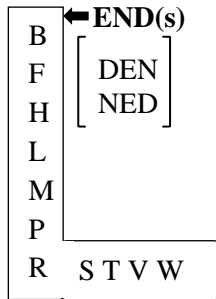
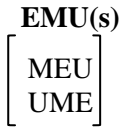
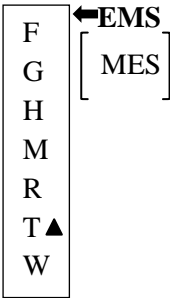
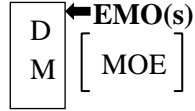
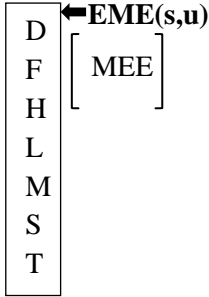
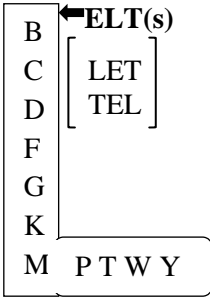
EBB(s)

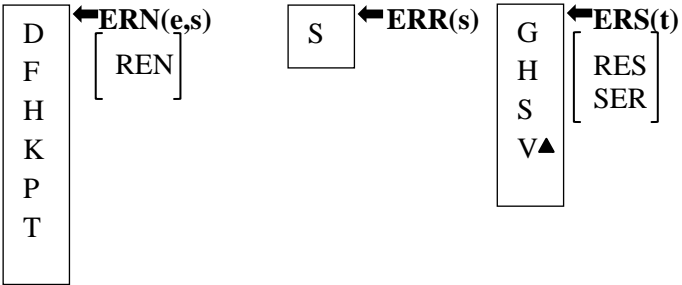
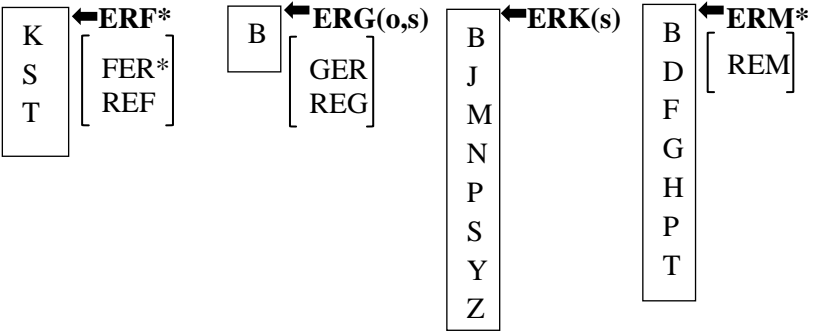
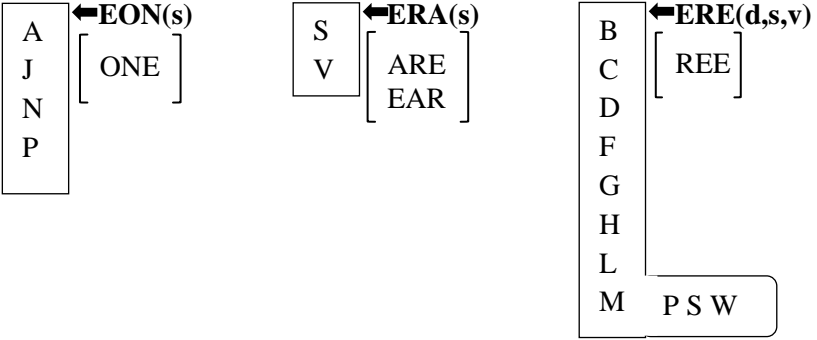


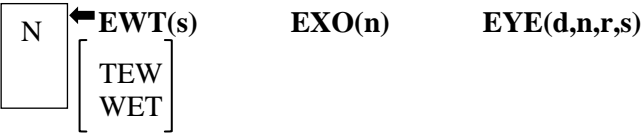
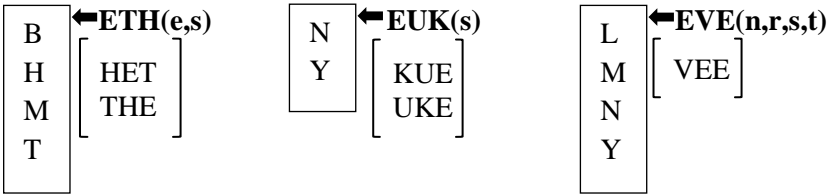
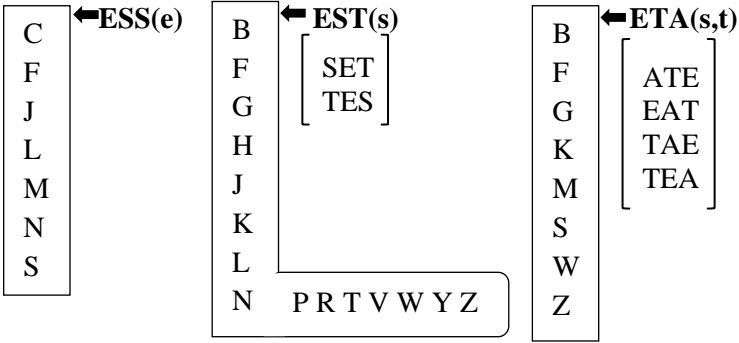
EDH(s)











F WORDS (59 WORDS)

FAA(n,s) **FAB(s)** **FAD(e,o,s,y)** **FAE*** **FAG(s)**

FAH(s) **FAN(d,e,g,k,o,s)** **FAP***

A	← FAR*(d,e,l,m,o,s,t)	FAS(h,t)	FAT(e,s)			
	<table border="1"><tr><td>ARF</td></tr><tr><td>FRA</td></tr></table>	ARF	FRA		<table border="1"><tr><td>AFT*</td></tr></table>	AFT*
ARF						
FRA						
AFT*						

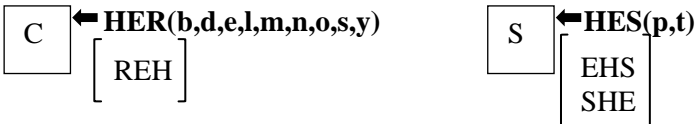
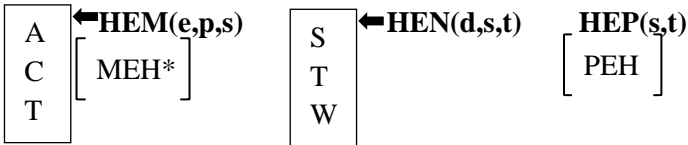
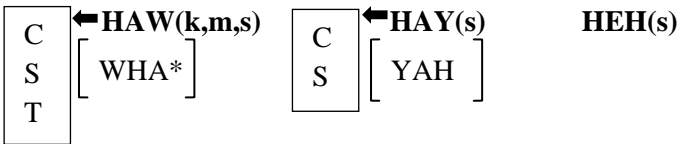
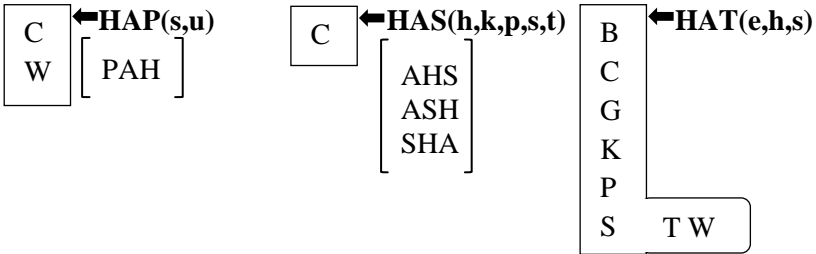
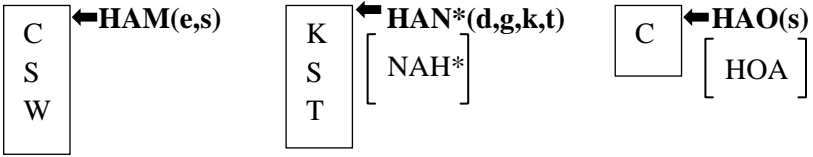
FAW(n,s) **FAX** **FAY(s)**

FED(s)
DEF*

FEE(b,d,l,n,r,s,t) **FEG(s)** **FEH(m,s)** **FEM(e,s)**

FEN(d,i,s,t)	FER(e,m,n)	FES(s,t)	FET(a,e,s,t)					
NEF	<table border="1"><tr><td>ERF</td></tr><tr><td>REF</td></tr></table>	ERF	REF	<table border="1"><tr><td>EFS</td></tr></table>	EFS	<table border="1"><tr><td>EFT</td></tr><tr><td>TEF</td></tr></table>	EFT	TEF
ERF								
REF								
EFS								
EFT								
TEF								

FEU(d,s) **FEW(s)** **FEY(s)** **FEZ**



K ← **HET(e,h,s)**
S
W [**ETH**
THE]

C ← **HEW(n,s)**
P
S
T
W

HEX

T ← **HEY(s)**
W [**HYE**
YEH*]

C ← **HIC*(k)**
[**CHI**
ICH]

C ← **HID(e)**
W

HIE(d,s)

S ← **HIM(s)**
W

C ← **HIN(d,g,s,t)**
S
T
W

C ← **HIP(s,t)**
S [**PHI**]
W

A ← **HIS(h,n,s,t)**
C [**ISH**]
G
K
P
T

C ← **HIT(s)**
S
W

HMM*(m)

W ← **HOA(r,s,x)**
[**HAO**]

HOB(o,s)
[**BOH**]

C ← **HOC*(k)**
[OCH]

S ← **HOD(s)**
[DOH]

S ← **HOE(d,r,s)**

C ← **HOG(g,h,s)**
S

P ← **HOH(a,s)**

HOI(k,s)

W ← **HOM(a,e,o,s,y)**
[MHO
OHM]

C ← **HON(d,e,g,k,s)**
P
T [NOH*]

S ← **HOO*(d,f,k,n,p,r,t)**
[OHO*
OOH]

C ← **HOP(e,s)**
S
W [PHO
POH]

M ← **HOS(e,s,t)**
P
R [OHS
SHO*
SOH]
Z

P ← **HOT(e,s)**
S
W [THO*]

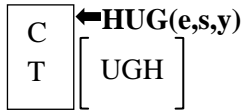
C ← **HOW(e,f,k,l,s)**
D
S [WHO*]
W

HOX

A ← **HOY(a,s)**

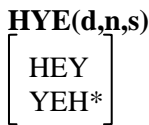
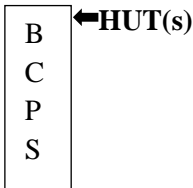
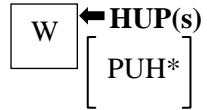
C ← **HUB(s)**

HUE(d,r,s)



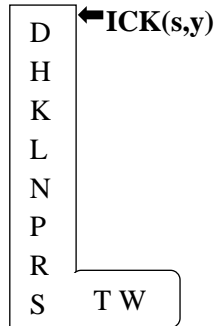
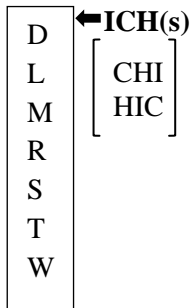
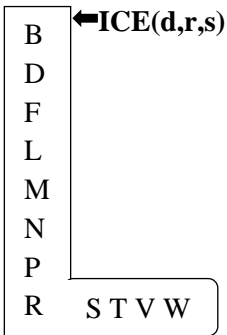
HUH*(u)

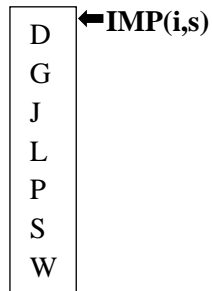
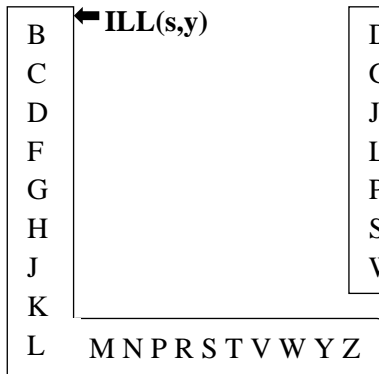
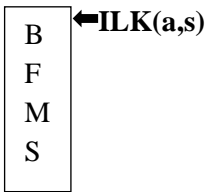
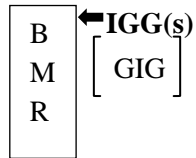
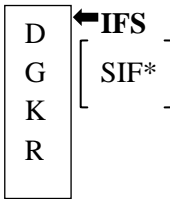
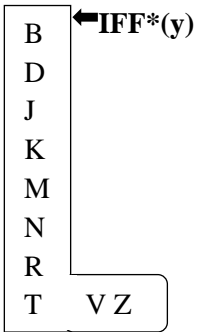
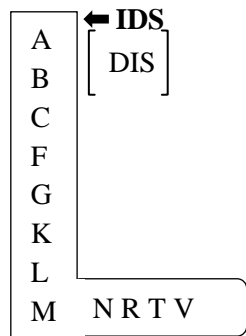
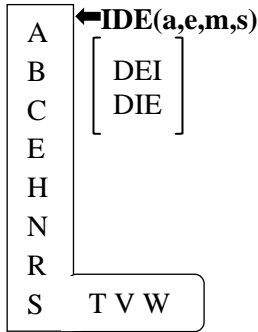
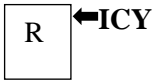
HUI(a,c,s)

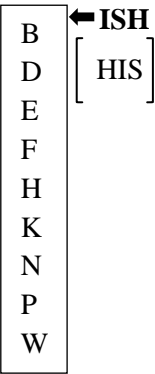
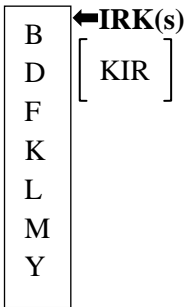
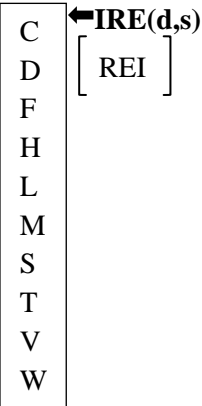
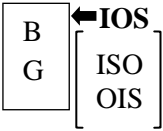
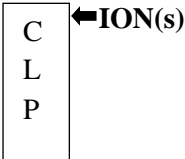
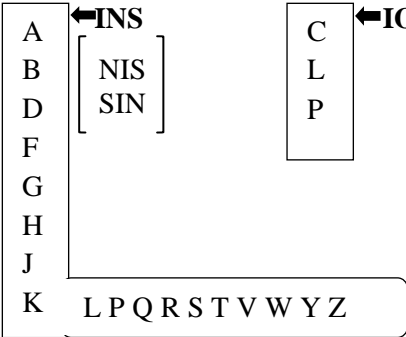
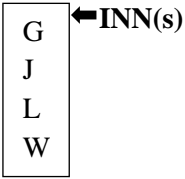
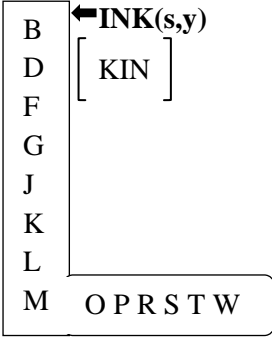
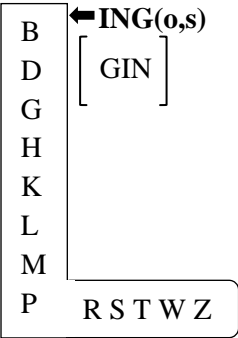


HYP(e,o,s)

I WORDS (27 WORDS)







G ←ISM(s)
J [MIS
SIM]

M ←ISO(s)
P [IOS
OIS]

D ←ITA(s)
P [AIT
TAI]
V

A ←ITS
B [SIT]
C [TIS]
D
F
G
H
K
L NPRSTWZ

J ←IVY
T

K ←IWI(s)

J WORDS (29 WORDS)

JAB(s)

JAG(a,g,s)

JAI*(l)
[AJI]

JAK(e,s)

JAM(b,s)

JAP(e,s)

A ←JAR(k,l,p,s) JAW(s)
[RAJ]

JAY(s)

A ←JEE(d,l,p,r,s,z)

JET(e,s)

JEU*(x) **JIB(b,e,s)** **JIG(s)** D ← **JIN(k,n,s,x)**

JIZ(z) **JOB(e,s)** S ← **JOE(s,y)** **JOG(s)**

JOL(e,l,s,t) **JOR(s)** **JOT(a,s)** **JOW(l,s)**

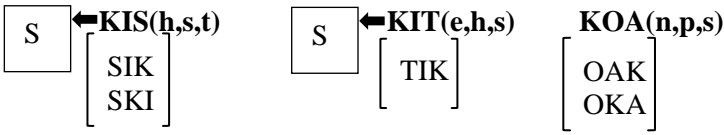
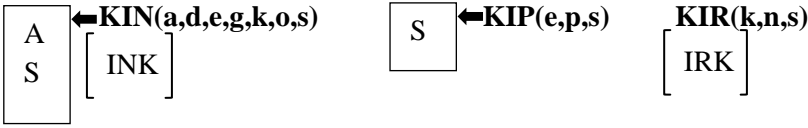
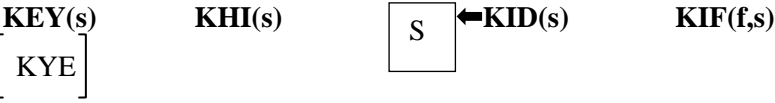
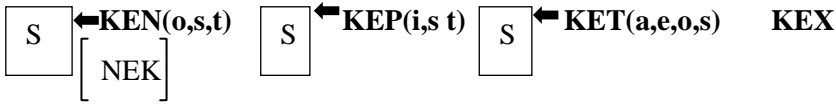
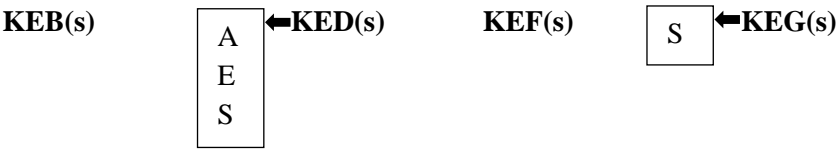
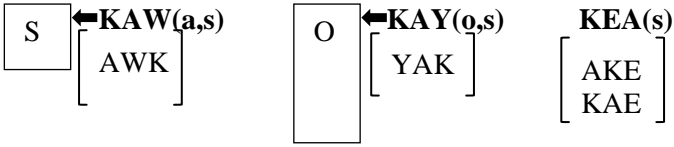
JOY(s) **JUD(o,s,y)** **JUG(a,s)** **JUN*(k)**

G ← **JUS(t)** **JUT(e,s)**

K WORDS (39 WORDS)

KAB(s) **KAE(d,s)** **KAF(s)** **KAI(d,e,f,k,l,m,n,s)**
AKE
KEA

KAK(a,i,s) **KAM*(a,e,i)** A ← **KAS** I ← **KAT(a,i,s)**
MAK O ASK
SKA S TAK



KOB(o,s)
[BOK]

KOI(s)
[OIK]

[I]

←**KON(d,k,s)**

KOP(h,s)

KOR(a,e,o,s,u)
[ROK]

KOS(s)

KOW(s)
[WOK]

KUE(h,s)
[EUK
UKE]

KYE(s)
[KEY]

KYU(s)
[YUK]

L WORDS (57 WORDS)

←LAB(s)
[B
F
S] [ALB
BAL]

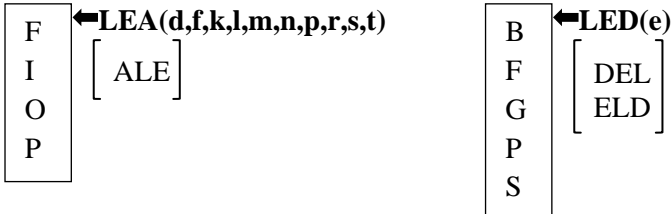
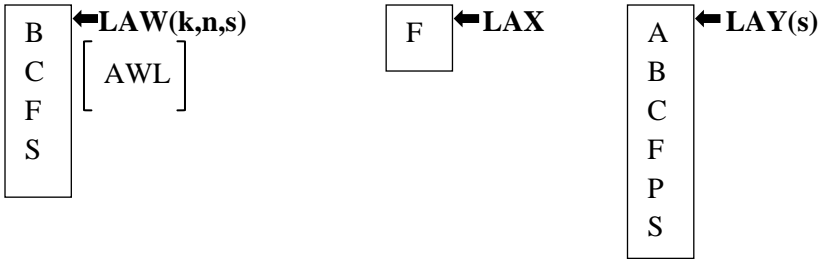
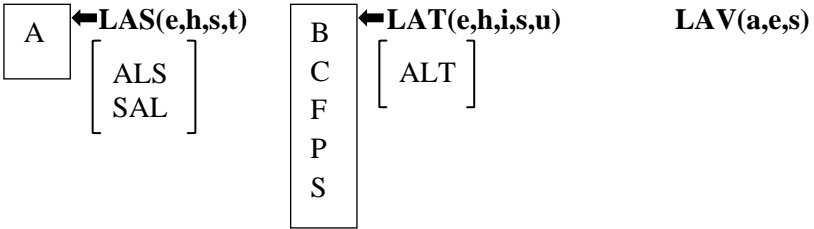
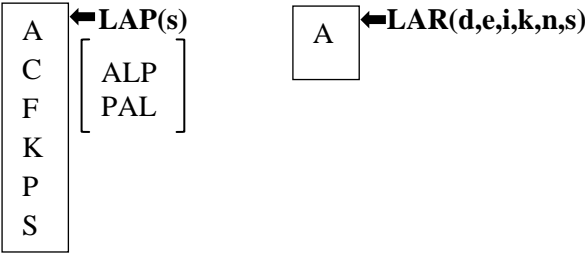
LAC(e,k,s,y)
[CAL]

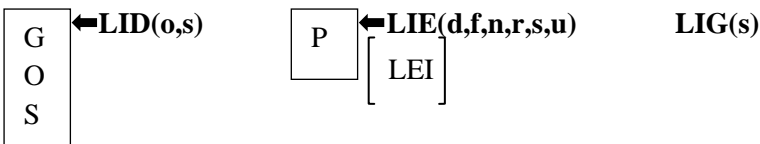
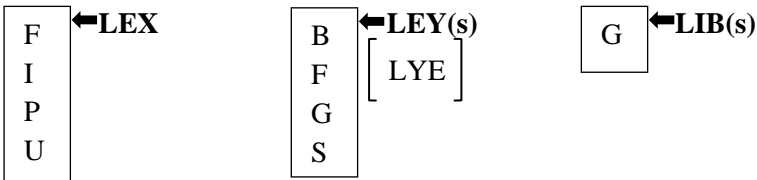
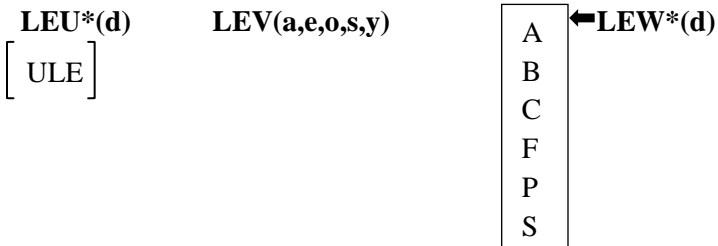
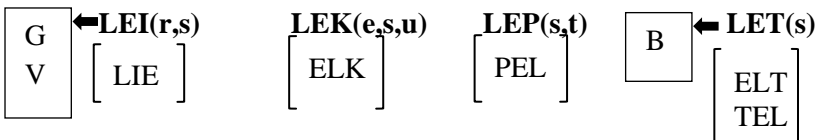
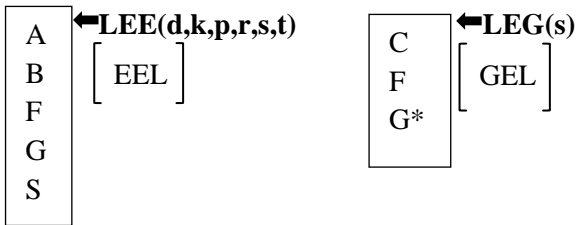
←LAD(e,s,y)
[B
C
G] [DAL]

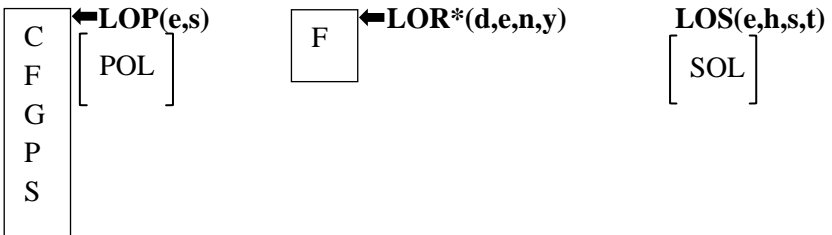
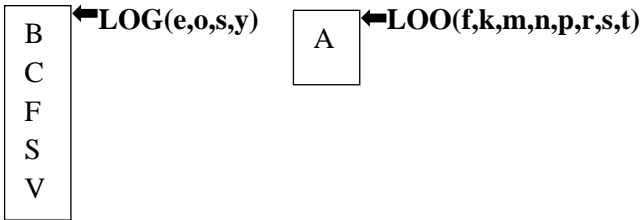
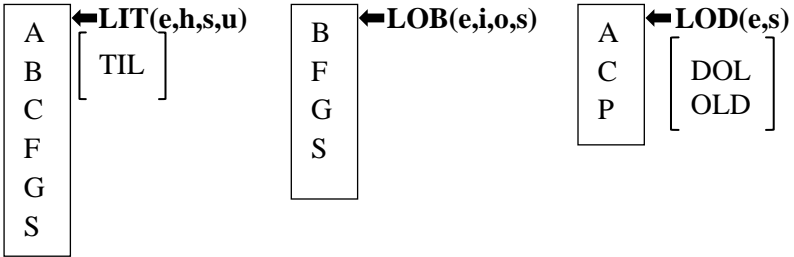
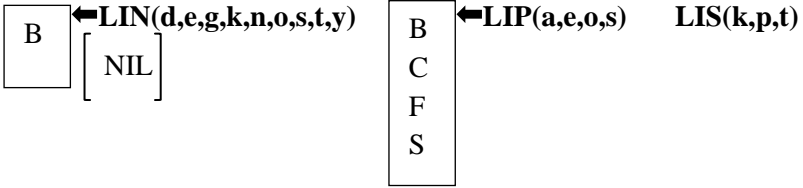
←LAG(s)
[B
C
F
S] [GAL]

←LAH(s)
[B]

←LAM(a,b,e,p,s)
[B
C
F
G
S] [MAL]







←LOT(a,e,h,i,o,s)
B
C
P
S

←LOU(d,n,p,r,s,t)
C

←LOW(e,n,p,s,t)
A
B
C
F
G
P
S
[OWL]

←LOX
F

←LOY(s)
C
P

←LUD(e,o,s)
B

←LUG(e,s)
G
P
S
[GUL]

←LUM(a,p,s)
A
G
P
S

LUN(a,e,g,k,s,t,y)

←LUR(e,k,s)
B
S

LUV(s)

←LUX(e)
F

LUZ [**LYE(s)**
LEY]

LYM(e,s)

M WORDS (67 WORDS)

MAA(r,s)
[AMA]

MAC(a,e,h,k,s)
[CAM]

MAD(e,s)
[DAM]

MAE(s)
[AME]

MAG(e,g,i,s)
[GAM]

MAK(e,i,o,s)
[KAM*]

MAL(a,e,i,l,m,s,t)
[LAM]

[I]

←**MAM(a,s)**

MAN(a,d,e,g,i,o,s,y)
[MNA
NAM]

MAP(s)
[AMP
PAM]

MAR(a,c,d,e,g,k,l,m,s,t,y)
[ARM
RAM]

[A
O]

←**MAS(a,e,h,k,s,t,u)**
[SAM
SMA*]

MAT(e,h,s,t,y)
[TAM]

MAW(k,n,r,s)

MAX(i)

MAY(a,o,s)
[YAM]

MED(s)

[S]

←**MEE(d,k,r,s,t)**
[EME]

MEG(a,s)
[GEM]

MEH*
[HEM]

MEL(a,d,l,s,t)
[ELM]

MEM(e,o,s)

←MEN*(d,e,g,o,t,u)
[A
O]

←MES(a,e,h,s) **MET(a,e,h,s)**
[A
E
U]
[EMS]

←MEU(s)
[E]
[EMU
UME]

←MEW(l,s)
[S]
[WEM]

MHO(s)
[HOM
OHM]

MIB(s)

←MIC(a,e,h,o,s)
[E]

←MID(i,s)
[A
I]
[DIM]

MIG(g,s)

MIL(d,e,f,k,l,o,s,t)

MIM*(e)

←MIR(e,i,k,o,s,v,y)
[A
E
S]
[RIM]

←MIS(e,o,s,t)
[A]
[ISM
SIM]

MIX(t,y)

MIZ(z)

←MMM*
[H]

MNA(s)
[MAN
NAM]

MOA(i,n,s,t)
[OMA]

MUM(m,p,s,u)
[UMM]

MUN(g,i,s)

←MUS(e,h,k,o,s,t)
[A
E
U] [SUM
UMS]

←MUT(e,i,s,t)
[S] [TUM]

MUX

MYC(s)

N WORDS (53 WORDS)

←NAB(e,k,s)
[S] [BAN]

NAE(s)
[ANE
EAN]

←NAG(a,s)
[K
S] [GAN]

←NAH*
[HAN*]

NAM(e,s,u)
[MAN
MNA]

←NAN(a,e,g,o,s)
[A] [ANN]

←NAP(a,e,s)
[K
S] [PAN]

←NAS
[A
M] [ANS
SAN]

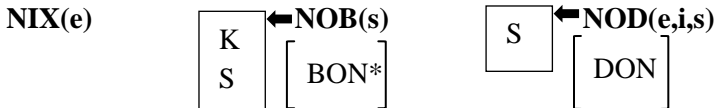
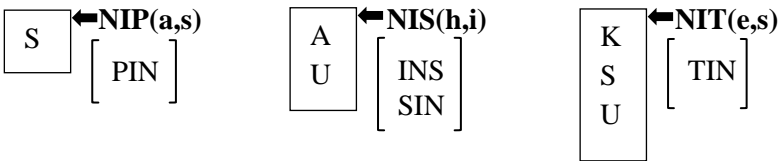
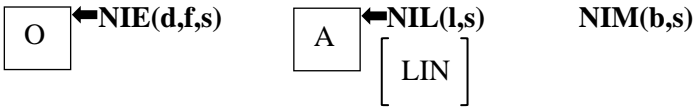
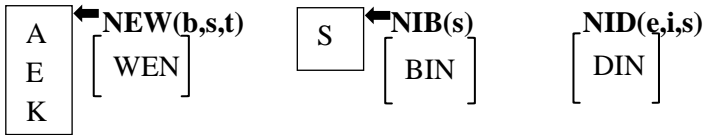
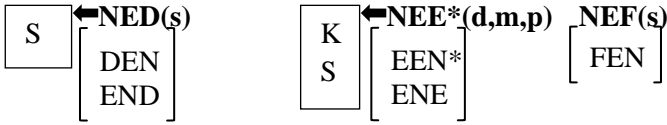
←NAT(s)
[G] [ANT
TAN]

←NAV(e,s,y)
[VAN]

←NAW*
[G
S] [AWN
WAN]

NAY(s)
[ANY]

←NEB(s)
[S] [BEN]



S ← **NOG(g,s)** **NOH*** **NOM(a,e,s)**
GON HON MON

A ← **NON*(a,e,g,i)** **NOO*(b,k,n,p)** **NOR*(i,k,m)**
ONO
OON

O ← **NOS(e,h,y)** K ← **NOT(a,e,t)** A ← **NOW(l,n,s,t,y)**
ONS S TON E OWN
SON G WON
K S

NOX **NOY(s)** **NTH*** K ← **NUB(s)**
ONY* S BUN
YON*

S ← **NUG(s)** **NUN(s)** K ← **NUR(d,l,r,s)**
GNU R RUN
GUN U URN

A ← **NUS** K ← **NUT(s)** S ← **NYE(d,s)**
G T YEN
O UN S
UNS TUN

NYM*

NYS
[SNY*
SYN*]

O WORDS (72 WORDS)

←OAF(s)
[G
L]

←OAK(s,y)
[B
S] [KOA
OKA]

←OAR(s,y)
[B
H
R
S
V] [ORA]

←OAT(h,s,y)
[B
C
D
G
M] [TAO]

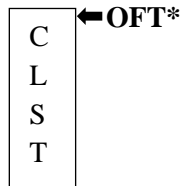
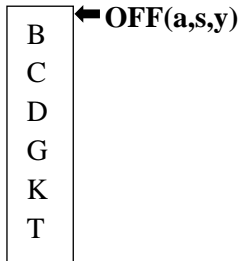
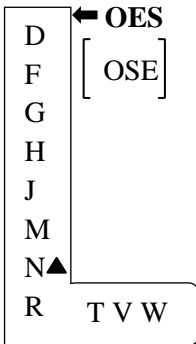
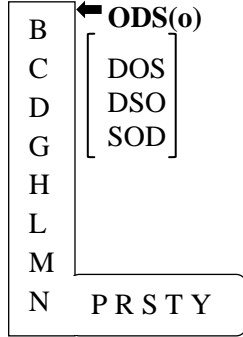
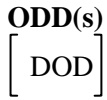
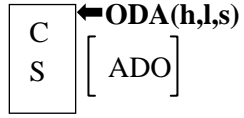
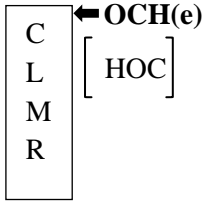
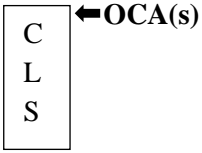
←OBA(s)
[B
S] [BAO
BOA]

←OBE(s,y)
[D
J
L
M
R]

←OBI(a,s,t)
[G
L] [BIO
BOI]

←OBO(e,l,s)
[B
G
H
K
L
Z] [BOO]

←OBS
[B
C
D
F
G
H] [BOS
SOB]
[J K L M N R S Y]



OHM(s)
[HOM
MHO]

←OHO*
B
C
M
S*
T
[HOO
OOH]

←OHS
B
D
H
O
P
S
[HOS
SHO
SOH]

←OIK(s)
H
[KOI]

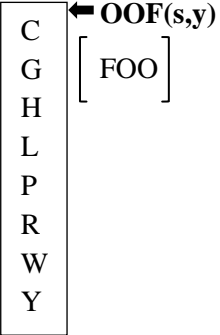
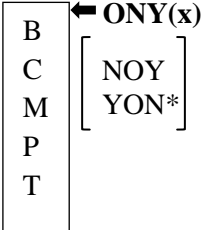
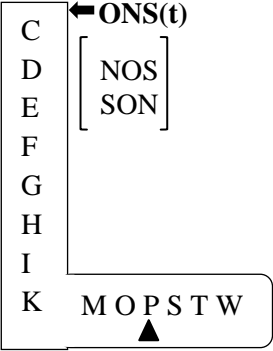
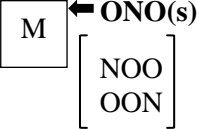
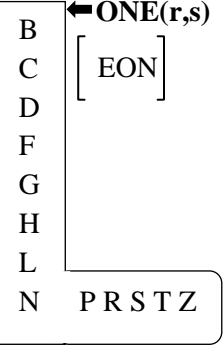
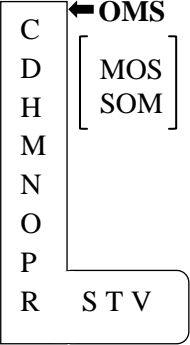
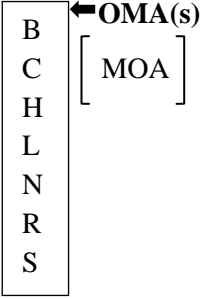
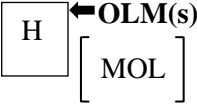
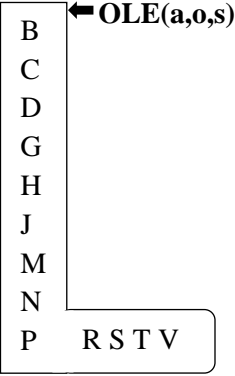
←OIL(s,y)
B
C
F
M
N
R
S
T

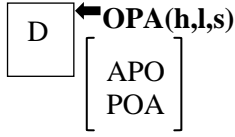
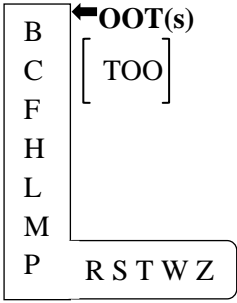
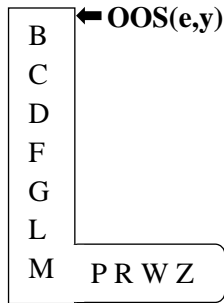
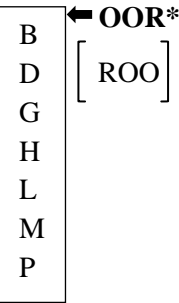
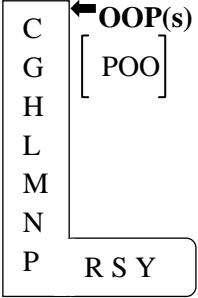
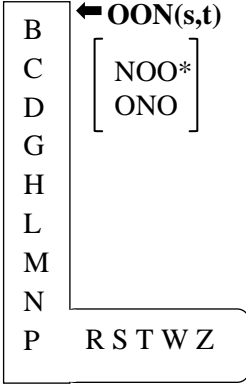
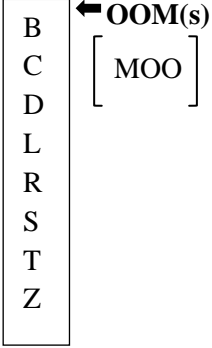
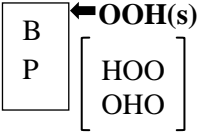
←OIS
B
H
K
P
[IOS
ISO]

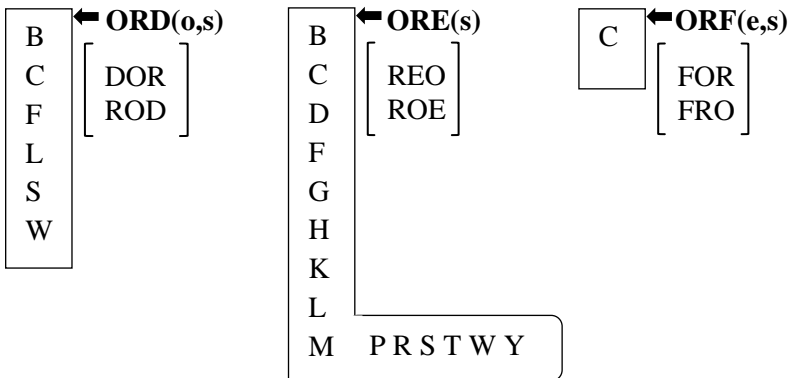
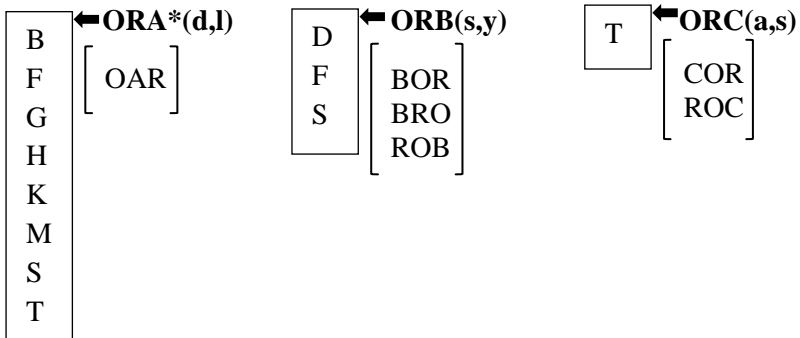
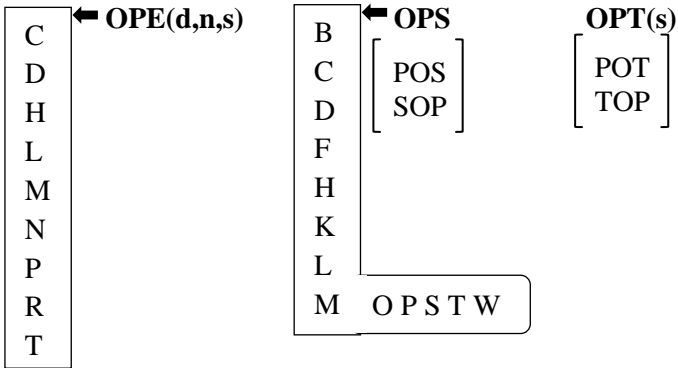
←OKA(s,y)
H
K
[KOA
OAK]

←OKE(h,s)
B
C
H
J
L
M
P
R
[STWY]

←OLD(e,s,y)
B
C
F
G
H
M
S
[DOL
LOD]
[TWY]







ORG(s,y)
[GOR]

←ORS
B
C
D
G
H▲
J
K
M T V

←ORT(s)
B
D
F
M
P
R
S
T
W
[ROT
TOR]

←OSE(s)
C
D
H
L
M
N
O
P
R
T
[OES]

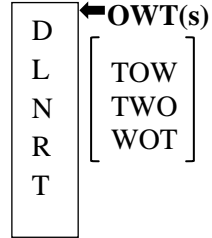
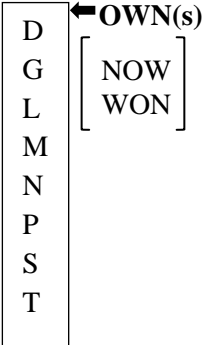
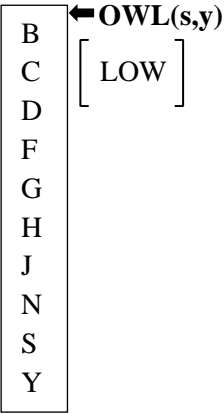
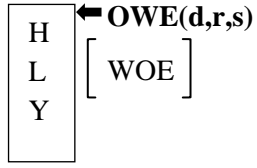
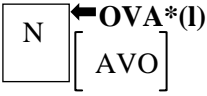
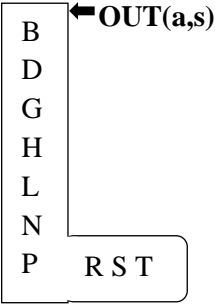
←OUD(s)
F
L
[DUO
UDO]

←OUK(s)
B
D
G
J
P
S
T
Y
Z

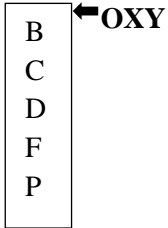
←OUP(a,h,s)
C
D
L
M
N
R
S
[UPO]

←OUR(n,s)
C
D
F
H
J
L
P
S T Y

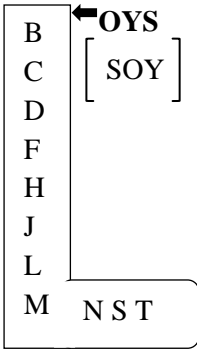
←OUS(t)
F
L
M
N▲
S
Y
[SOU]



OXO*



OYE(r,s,z)



P WORDS (77 WORDS)

PAC(a,e,k,o,s,t,y)
[CAP]

PAD(i,s)
[DAP]

[O] ←**PAH(s)**
[HAP]

PAK(s)

[O] ←**PAL(e,i,l,m,p,s,y)**
[ALP]
[LAP]

[S] ←**PAM(s)**
[AMP]
[MAP]

[S] ←**PAN(d,e,g,s,t)**
[NAP]

PAP(a,e,s)
[APP]

S ← **PAR(a,d,e,k,p,r,s,t)** O ← **PAS(e,h,s,t)**
S S
U ASP
[RAP] [SAP]
[SPA]

S ← **PAT(e,h,s,u,y)** **PAV(e,s)** S ← **PAW(a,k,l,n,s)**
[APT] [WAP]
[TAP]

PAX A ← **PAY(s)** **PEA(g,k,l,n,r,s,t)**
S [PYA] [APE]
[YAP]

S ← **PEC(h,k,s)** A ← **PED(i,s)** E ← **PEE(d,k,l,n,p,r,s)**
[CEP] [DEP]
O S

PEG(h,s) **PEH(s)** **PEL(a,e,f,l,s,t)** O ← **PEN(d,e,i,k,s,t)**
[HEP] [LEP] [NEP]

PEP(o,s) A ← **PER*(c,e,i,k,m,n,p,t,v)** A ← **PES(o,t)**
[PRE*] [O]
[REP]

S ← **PET(s)**

S ← **PEW(s)**

PHI(s,z)
[**HIP**]

PHO(h,n,s,t)
[**HOP**
POH]

PHT*

PIA(l,n,s)

E ← **PIC(a,e,k,s)**

S ← **PIE(d,r,s,t)**

PIG(s)
[**GIP**]

S ← **PIN(a,e,g,k,s,t,y)**
[**NIP**]

PIP(a,e,i,s,y)

PIR(l,n,s)
[**RIP**]

PIS(e,h,o,s)
[**PSI**
SIP]

S ← **PIT(a,h,s,y)**
[**TIP**]

PIU*(m)

PIX(y)

PLU(e,g,m,s)
[**PUL**]

PLY

POA(s)
[**APO**
OPA]

A
S ← **POD(s)**
[**DOP**]

POH(s)
[**HOP**
PHO]

POI(s)

PUP(a,s,u)

S ← **PUR(e,i,l,r,s)**
[URP]

O ← **PUS(h,s)**
[SUP
UPS]

PUT(s,t,z)

[TUP]

PUY(s)

[YUP]

PWN(s)

PYA(s,t)

[PAY
YAP]

PYE(s,t)

[YEP]

PYX

Q WORDS (4 WORDS)

QAT(s)

QIN(s)

QIS

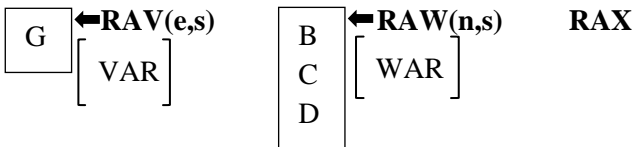
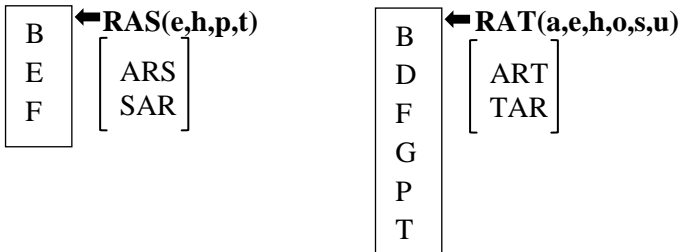
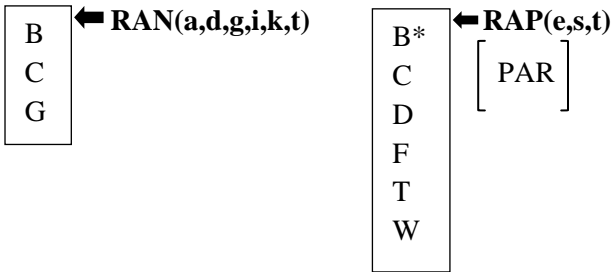
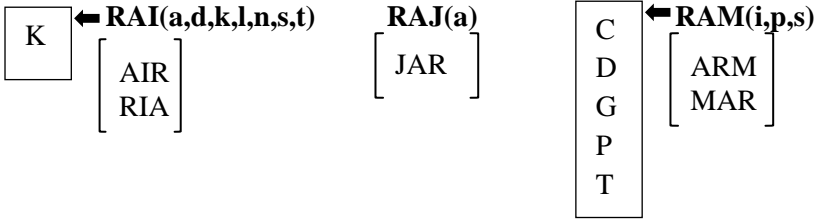
A ← **QUA(d,g,i,t,y)**

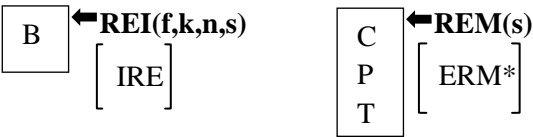
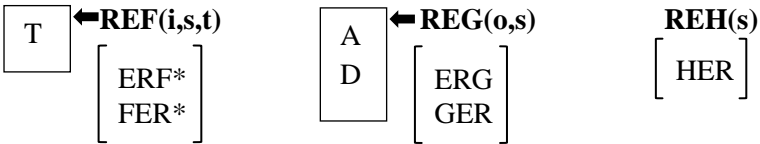
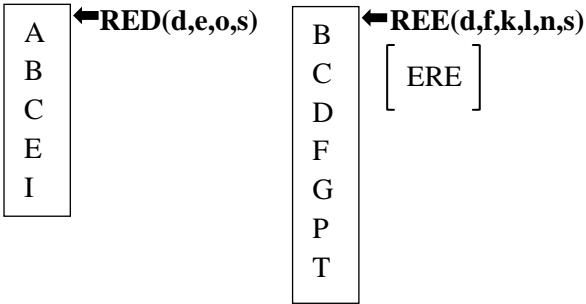
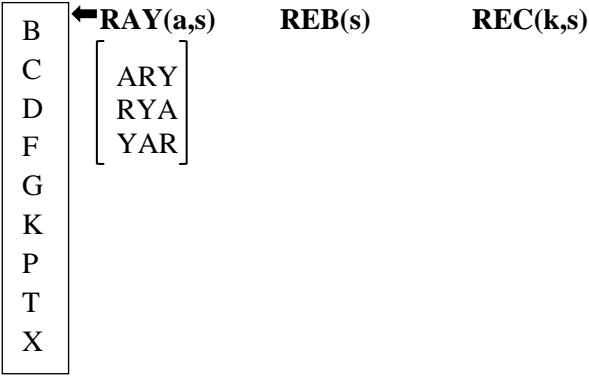
R WORDS (64 WORDS)

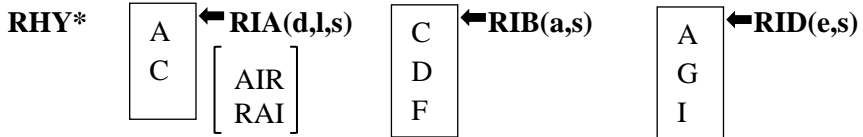
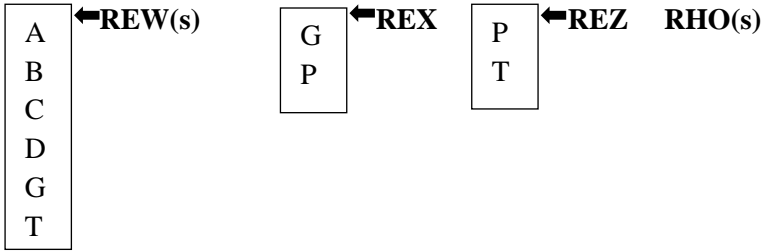
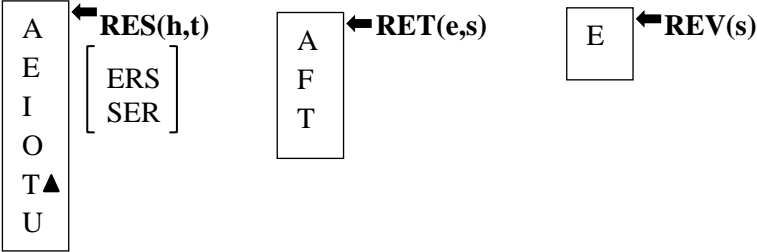
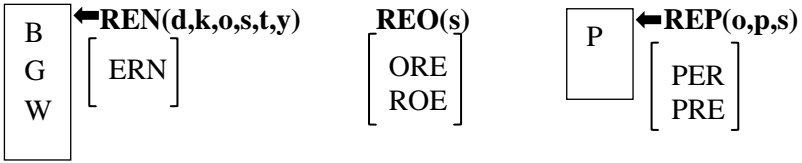
B
D
G
O
P
T ← **RAD(e,s)**
[ARD]

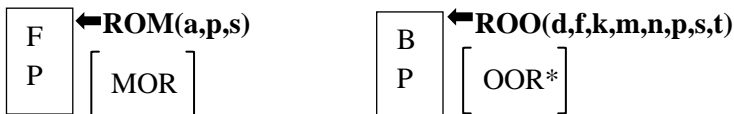
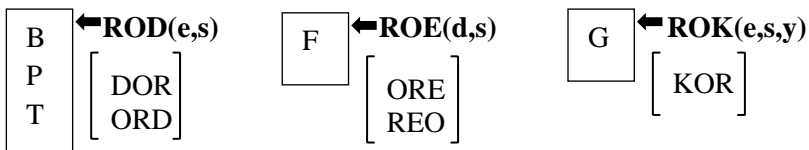
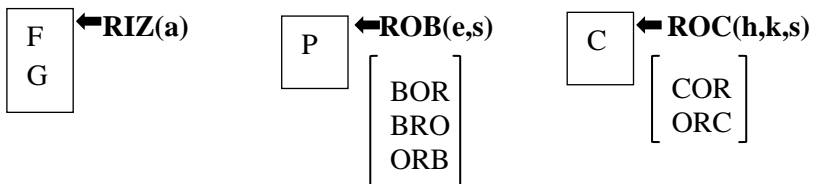
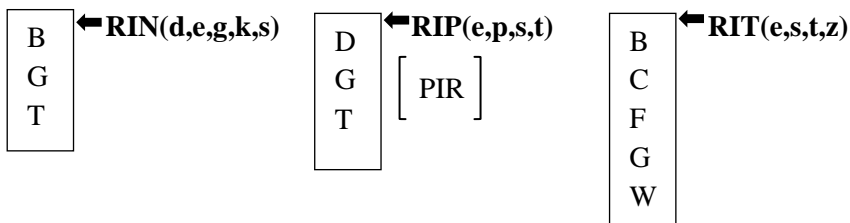
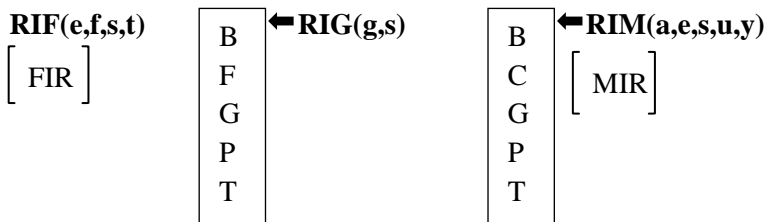
B
C
D
F ← **RAG(a,e,g,i,s,u)**
[GAR]

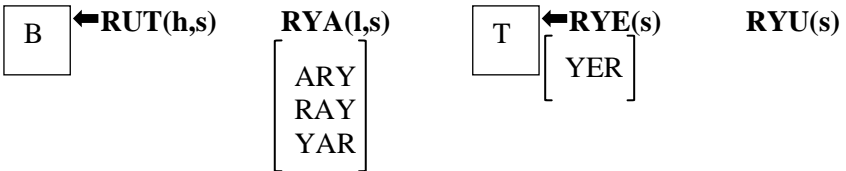
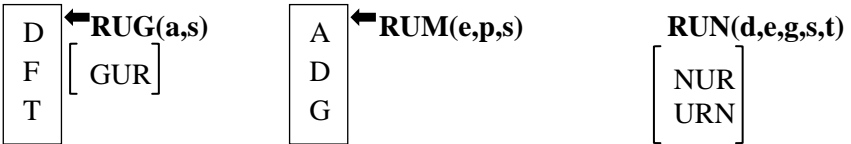
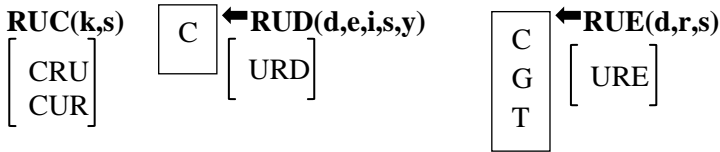
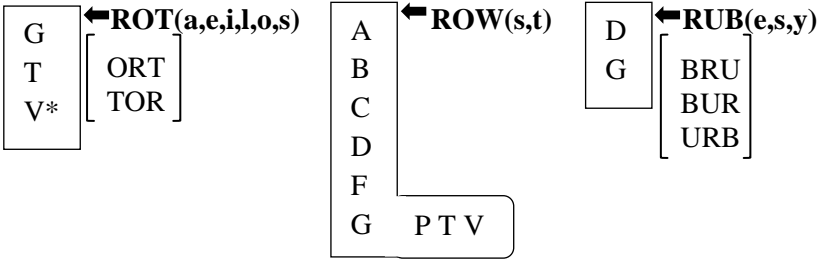
RAH(s)











S WORDS (92 WORDS)

SAB(e,s)

[ABS
BAS]

SAC(k,s)

SAD(e,i,o,s)

[ADS
DAS]

SAE*

[EAS
SEA]

SAG(a,e,o,s,y)

[AGS
GAS]

SAI(c,d,l,m,n,r,s)

[AIS]

SAL(e,l,p,s,t)

[ALS
LAS]

SAM(a,e,p,s)

[MAS
SMA]

SAN(d,e,g,k,s,t)

[ANS
NAS]

SAP(s)

[ASP
PAS
SPA]

A
K
O
T

← **SAR(d,i,k,s)**

[ARS
RAS]

SAT(e,i)

[ATS
TAS]

SAU*(l,t)

SAV(e,s)

[VAS]

SAW(n,s)

[WAS]

SAX(e)

SAY(s)

[AYS
YAS]

SAZ
[ZAS]

A ← **SEA(l,m,n,r,s,t)**

SEC(h,o,s,t)

[EAS
SAE]

SED*

[U] ←

SEE(d,k,l,m,n,p,r,s) **SEG(o,s)**

[EDS]

SEI(f,k,l,r,s) **SEL(d,e,f,l,s)** **SEN(a,d,e,s,t)**

[ELS] [ENS]

SER(a,e,f,k,r,s) **SET(a,s,t)** **SEW(n,s)**

[U] ←

[ERS
RES] [EST
TES]

SEX(t,y) **SEY(s)** **SEZ** **SHA(d,g,h,m,n,t,w,y)**

[SYE
YES] [AHS
ASH
HAS]

SHE(a,d,n,s,t,w) **SHH*(h)** **SHO*(d,e,g,o,p,t,w)**

[EHS
HES] [HOS
OHS
SOH]

A ← **SHY*** **SIB(b,s)** **SIC(e,h,k,s)** **SIF*(t)**
[BIS] [CIS] [IFS]

SIG(h,n,s) **SIK*(a,e)** **SIM(a,i,p,s)** **SIN(d,e,g,h,k,s)**
[GIS] [KIS
SKI] [ISM
MIS] [INS
NIS]

SIP(e,s) **SIR(e,i,s)** **SIS(s,t)** I ← **SIT(e,h,s,z)**
[PIS
PSI] [SRI] [ITS
TIS]

SIX **SKA(g,s,t,w)** **SKI(d,m,n,o,p,s,t)**
[XIS] [ASK
KAS] [KIS
SIK]

E ← **SKY(f,r)** **SLY** **SMA*** **SNY(e)**
[MAS
SAM] [NYS
SYN*]

SOB(a,s) **SOC(a,k,s)** **SOD(a,s)** **SOG(s)**
[BOS
OBS] [COS] [DOS
DSO
ODS] [GOS]

SUM(i,o,p,s,y)

[MUS
UMS]

SUN(g,i,k,n,s)

[NUS
UNS]

SUP(e,s)

[PUS
UPS]

SUQ(s)

SUR(a,d,e,f)

SUS(s,u)

SWY

SYE(d,n,s)

[SEY
YES]

SYN*(c,d,e)

[NYS
SNY]

T WORDS (73 WORDS)

[S]

← **TAB(i,s,u)**

[BAT]

TAD(s)

TAE(d,l,s)

[ATE
EAT
ETA
TEA]

[S]

← **TAG(s)**

[GAT]

TAI(l,n,s,t)

[AIT
ITA]

TAJ

TAK(a,e,i,s,y)

[KAT]

TAM(e,p,s)

[MAT]

TAN(a,e,g,h,k,s)

[ANT
NAT]

TAO(s)

[OAT]

TAP(a,e,s,u)

[A
S] [APT
PAT]

S ← TAR(a,e,n,o,p,s,t)
[ART
RAT]

E ← TAS(e,h,k,s)
[I
U] [ATS
SAT]

E ← TAT(e,h,s,t,u)
S [ATT*]

TAU(s,t)
[UTA]

TAY(s)

S ← TAW(a,s,t)
[TWA
WAT]

TAX(a,i)

S ← TAY(s)

TEA(d,k,l,m,r,s,t)

[ATE
EAT
ETA
TAE]

TEC(h,s)

S ← TED(s,y)

TEE(d,k,l,m,n,r,s)

TEF(f,s)
[EFT
FET]

TEG(g,s,u)
[GET]

TEL(a,d,e,l,s,t)
[ELT
LET]

E ← **TEN(d,e,s,t)**
 A ← **TES(t)**
 S ← **TET(e,h,s)**
S [NET]
 U [EST
SET]

S ← **TEW(s)** **TEX(t)**
 E ← **THE*(e,m,n,w,y)**
S [EWT
WET]
 E [ETH
HET]

THO*(n,u) **THY**
 E ← **TIC(e,h,k,s)** **TID(e,s,y)**
O [HOT]
 O [CIT]
 I [DIT]

S ← **TIE(d,r,s)** **TIG(e,s)** **TIK(a,e,i,s)** **TIL(e,l,s,t)**
S [GIT]
 I [KIT]
 I [LIT]

TIN(a,d,e,g,k,s,t,y) **TIP(i,s,t)**
 U ← **TIS**
I [NIT]
 I [PIT]
 I [ITS
SIT]

TIT(e,i,s) **TIX** **TIZ(z)**
 A ← **TOC(k,o,s)**
I [ZIT]
 O [COT]

TOD(s,y)
[DOT]

TOE(a,d,s,y)

TOG(a,e,s)
[GOT]

TOM(b,e,o,s)
[MOT]

TON(e,g,k,s,y)
[NOT*]

TOO(k,l,m,n,t)
[OOT]

←TOP(e,h,i,o,s)
[A]
[S]
[OPT]
[POT]

TOR(a,c,e,i,n,o,r,s,t,y)
[ORT]
[ROT]

←TOT(e,s)
[S]

←TOW(n,s,t,y)
[S]
[OWT]
[TWO]
[WOT]

TOY(o,s)

TRY(e,p)

←TUB(a,e,s)
[S]
[BUT]

TUG(s)
[GUT]

←TUI(s)
[E]
[P]

←TUM(p,s)
[S]
[MUT]

←TUN(a,d,e,g,s,y)
[S]
[NUT]

TUP(s)
[PUT]

TUT(s,u)

TUX

TWA(e,l,s,t,y)

TWO(s)

[TAW
WAT]

[OWT
TOW
WOT]

TWP*

S

←TYE(d,e,r,s)

TYG(s)

[YET]

U WORDS (29 WORDS)

B
J
K
L

←UDO(n,s)

[DUO
OUD]

B
C
D
F
J
L
M

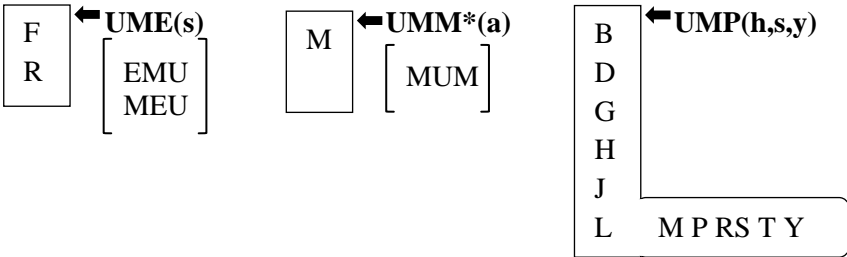
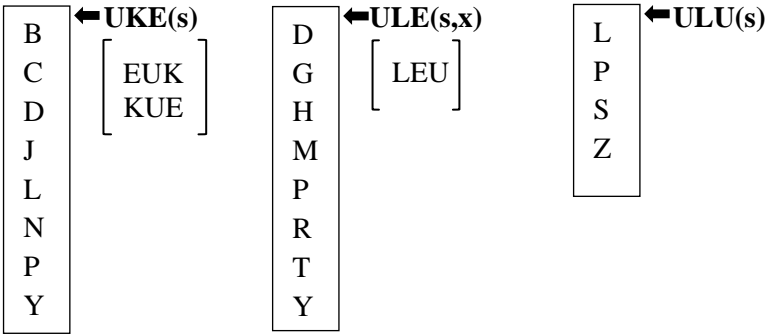
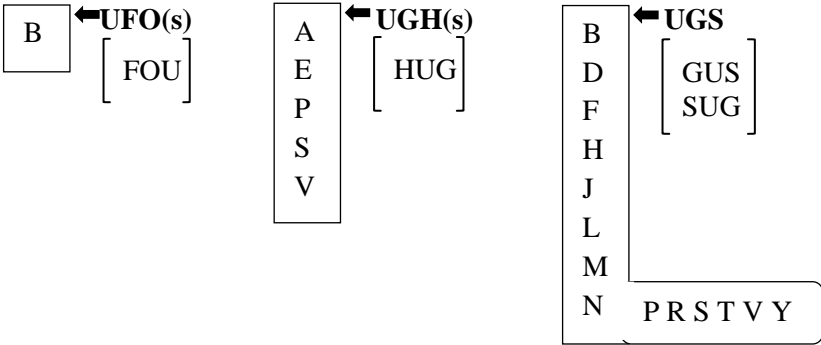
←UDS▲

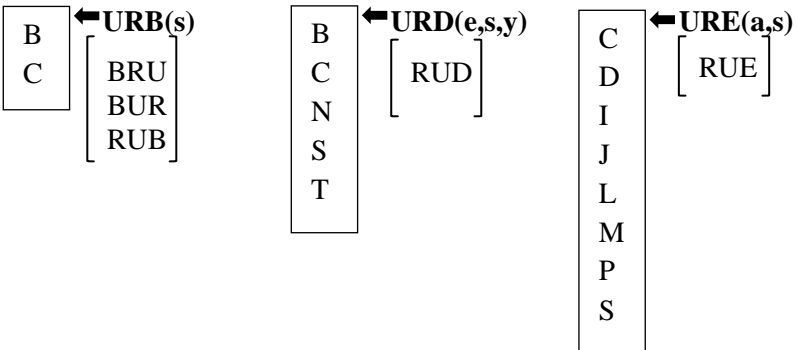
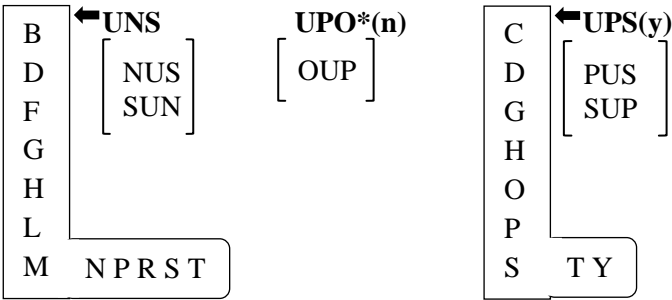
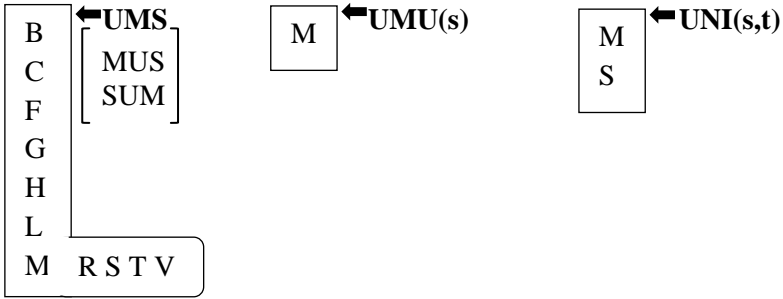
[SUD]

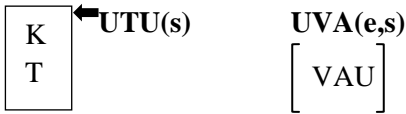
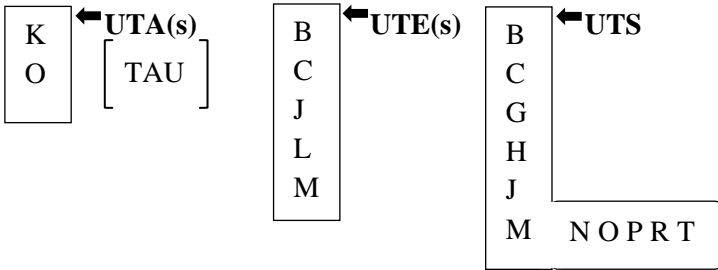
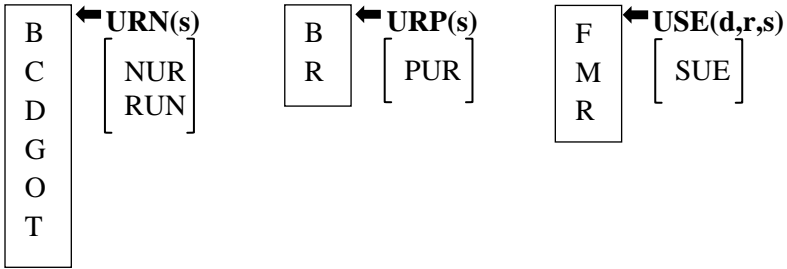
O P R S W

Q

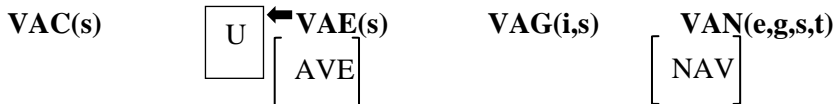
←UEY(s)







V WORDS (32 WORDS)



VAR(a,e,s,y) $\left[\begin{array}{c} A \\ K \blacktriangle \\ U \end{array} \right]$ \leftarrow **VAS(a,e,t)** $\left[\begin{array}{c} SAV \end{array} \right]$ **VAT(s,u)** $\left[\begin{array}{c} TAV \end{array} \right]$ **VAU(s,t)** $\left[\begin{array}{c} UVA \end{array} \right]$

VAV(s) **VAW(s)** **VAX** **VEE(p,r,s)** **VEG*(a,o)**
 $\left[\begin{array}{c} EVE \end{array} \right]$

$\left[\begin{array}{c} E \end{array} \right]$ \leftarrow **VET(o,s)** **VEX(t)** **VIA(e,l,s)** $\left[\begin{array}{c} A \end{array} \right]$ \leftarrow **VID(e,s)**
 $\left[\begin{array}{c} DIV \end{array} \right]$

VIE(d,r,s,w) **VIG(a,s)** **VIM(s)** **VIN(a,e,o,s,t,y)**

VIS(a,e) **VLY** $\left[\begin{array}{c} E \end{array} \right]$ \leftarrow **VOE(s)** **VOG(s)**
 $\left[\begin{array}{c} EVO \end{array} \right]$ $\left[\begin{array}{c} GOV \end{array} \right]$

VOL(a,e,k,s,t) **VOM(s)** **VOR(s)** $\left[\begin{array}{c} A \end{array} \right]$ \leftarrow **VOW(s)**

VOX **VUG(g,h,s)** $\left[\begin{array}{c} O \end{array} \right]$ \leftarrow **VUM(s)**
 $\left[\begin{array}{c} GUV \end{array} \right]$

A ← **WEE**(d,k,l,m,n,p,r,s,t) **WEM**(b,s) **WEN**(a,d,s,t)
S [EEW] [MEW] [NEW]
T [EWE]

WET(a,s) **WEX**(e) S ← **WEY**(s) **WHA***(e,m,p,t)
[EWT] [WYE] [HAW]
[TEW] [YEW]

WHO*(a,m,p,t,w) **WHY**(s) S ← **WIG**(s)
[HOW] [T]

T ← **WIN**(d,e,g,k,n,o,s,y) I ← **WIS**(e,h,p,s,t)
[] [I]
[] [Y]

T ← **WIT**(e,h,s) S ← **WIZ** **WOE**(s)
[] [] [OWE]

WOF(s) **WOK**(e,s) **WON**(k,s,t) **WOO**(d,f,l,n,s,t)
[] [KOW] [NOW] []
[] [] [OWN]

S ← **WOP(s)**
[POW]

T ← **WOS(t)**
[SOW]

S ← **WOT(s)**
[OWT
TOW
TWO]

WOW(f,s)

WOX

A ← **WRY**

WUD(s,u)

WUS(s)

WUZ

WYE(s)
[YEW]

WYN(d,n,s)

X WORDS (2 WORDS)

A ← **XED***
E [DEX]

A ← **XIS**
[SIX]

Y WORDS (36 WORDS)

D ← **YAD(s)**
[DAY]

YAE*
[AYE
YEA]

YAG(e,i,s)
[GAY]

A ← **YAH(s)**
N [HAY]

K ← **YAK(s)**
[KAY]

L ← **YAM(s)**
[MAY]

YAP(p,s)
[PAY
PYA]

K ← **YAR*(d,e,k,n,r)**
[ARY
RAY
RYA]

E▲
N▲
P
R
← **YAS**
[AYS
SAY]

YAW(l,n,p,s,y)
[WAY]

YAY(s)

YEA(d,h,n,r,s)
[AYE
YAE*]

YEH*
[HEY
HYE]

E
H
S
← **YEN(s)**
[NYE]

YEP(s)
[PYE]

D
E
O
T
← **YER*(d,k)**
[RYE]

A
B
D
E
H
K
L
← **YES(k,t)**
[SEY
SYE]
[N O P R S T W]

P ← **YET*(i,t)**
[TYE]

YEW(s)
[WEY
WYE]

YEX O ← **YEZ**

YGO*(e)

A
P
T

←**YIN(s)**

YIP(e,s)

YOB(s)
[BOY]

YOD(e,h,s)

[DOY]

YOK(e,s)

YOM*(p)

[MOY]

YON*(d,i,t)

[NOY
ONY]

YOU(k,r,s)

YOW(e,l,s)

YUG(a,s)

[GUY]

YUK(e,o,s,y)

[KYU]

YUM*(p)

YUP(s)
[PUY]

A
K
R

←**YUS**

Z WORDS (24 WORDS)

ZAG(s)

ZAP(s)

ZAS
[SAZ]

ZAX

ZEA(l,s)

ZED(a,s)

M

←**ZEE(s)**

ZEK(s)

ZEL(s)

ZEN(s) **ZEP(s)** **ZEX** D ← **ZHO(s)**

ZIG(s) **ZIN(c,e,g,s)** **ZIP(s)** ZIT(e,i,s) **ZIZ(z)**
TIZ

ZOA **ZOL(s)** **ZOO(m,n,s,t)** D ← **ZOS**
AZO SOZ

ZUZ **ZZZ(s)**

ABOUT THE AUTHOR



Ben Quickpen hails from Ikebiri 2 town in Southern Ijaw Local Government Area of Bayelsa State. He is a professional Scrabble player (Scrabble Expert), writer, scrabble tutor and currently a honorary coach of scrabble at the Bayelsa State Sports Council. He has several trophies and awards in his trophy cabinet - he has won gold, silver and bronze medals for Bayelsa State at the National Sports Festival. Ben Quickpen has also represented Nigeria at the Africa Scrabble Championships and the World Scrabble Championships on several occasions.

He is married to Vera Zini-iwaramo (Gold medalist at the 2022 National Sports Festival, Asaba) and blessed with 2 children - Deborah Quickpen, 11 (The current and youngest ever National Chess champion), and Abner Quickpen, 8, (The current National U-10 Chess champion).



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