15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
															A
														A	␣
													A	␣	R
												A	␣	R	O
											A	␣	R	O	S
										A	␣	R	O	S	E
									A	␣	R	O	S	E	␣
								A	␣	R	O	S	E	␣	I
							A	␣	R	O	S	E	␣	I	S
						A	␣	R	O	S	E	␣	I	S	␣
S	E	␣	I	S	␣	A	␣	R	O	S	E	␣	I	S	␣
S	E	␣	I	S	␣	A	␣	R	O	S	E	␣	I	S	␣
S	E	␣	I	S	␣	A	␣	R	O	S	E	␣	I	S	␣
␣	R	O	S	E	␣	I	S	␣	A	␣	R	O	S	E	␣
R	O	S	E	␣	I	S	␣	A	␣	R	O	S	E	␣	P
O	S	E	␣	I	S	␣	A	␣	R	O	S	E	␣	P	O
S	E	␣	I	S	␣	A	␣	R	O	S	E	␣	P	O	E
E	␣	I	S	␣	A	␣	R	O	S	E	␣	P	O	E	T
␣	I	S	␣	A	␣	R	O	S	E	␣	P	O	E	T	R
I	S	␣	A	␣	R	O	S	E	␣	P	O	E	T	R	Y

A	(ϕ, A)	1+8=9
␣	(ϕ, ␣)	1+8=9
R	(ϕ, R)	1+8=9
O	(ϕ, O)	1+8=9
S	(ϕ, S)	1+8=9
E	(ϕ, E)	1+8=9
␣	(1, 4, 1)	1+4+1=6
I	(ϕ, I)	1+8=9
S	(ϕ, S)	1+8=9
␣	(1, 7, 1)	1+4+1=6
A␣ROSE␣IS␣	(1, 9, 10)	1+4+10=15
A␣ROSE␣IS␣	(1, 9, 10)	1+4+10=15
A␣ROSE␣IS␣	(1, 9, 10)	1+4+10=15
A␣ROSE␣	(1, 9, 7)	1+4+7=12
P	(ϕ, P)	1+8=9
O	(1, 14, 1)	1+4+1=6
E	(1, 14, 1)	1+4+1=6
T	(ϕ, T)	1+8=9
R	(1, 8, 1)	1+4+1=6
Y	(ϕ, Y)	1+8=9
# of CHARACTERS =53		SUM of bits =186
# of code bits / character		=3.51

EXAMPLE of LEMPEL ZIV ENCODING.

TEXT → A,␣,R,O,S,E,␣,I,S,␣,A␣ROSE␣IS␣,A␣ROSE␣IS␣,A␣ROSE␣IS␣,A␣ROSE␣,P,O,E,T,R,Y