

Breaking a Substitution Cipher (revised)

The ciphertext (463 characters):

OPNUSKOCBSVNZZNZVLYVSLTSXQLNXSMYACNLLNZVBQJSXCNCLSYZLJSBOZFOZMYAJOTNZVZYLNZVLY
 MYYZUSYXLKNUSCJSJOMWSSWSMNZLYLJSBYFJJSXCNCLSXKOCXSOMNZVBILNLJOMZYWNULIXSCYXUYZTS
 XCOLNYZCNZNLOZMKJOLNCLJSICSYAOPYFLJYIVJLOPNUSKNLJYILWNULIXSCYXUYZTSXCOLNYZCYCJS
 KOCUYZCNMSXNZVNZJSXYKZENZMOCKSPPOCCJSUYIPMAYXLJSJYLMOQEOMSJSXASSPTSXQCPSSWQOZMCL
 IWNMKJSLJSLJJSWPSOCIXSYAEOFNZVOMONCQUJONZKYIPMBSKYXLJLJSLXYIBPSYAVSLLNZVIWOZMWNU
 FNZVLJSMONCNSCKJSZCIMMSZPQOKJNLSXOBBNLKLNJWNZFSQSCXOZUPYCSBQJSX

We compute the character frequencies and the frequencies of two-character sequences (digraphs) in the ciphertext.

Character	Frequency	Common Sequence	Frequency	Common Sequence	Frequency
S	56	JS	18	JY	3
L	40	NZ	16	KN	3
N	40	LJ	14	KO	3
Y	36	SX	14	LI	3
Z	35	ZV	9	LS	3
C	31	LN	7	LY	3
J	31	NL	7	MS	3
O	31	YZ	7	MY	3
X	26	CN	6	OL	3
M	21	NU	6	ON	3
K	14	OC	6	PS	3
I	13	OZ	6	SB	3
U	13	JO	5	SJ	3
V	13	NC	5	SM	3
P	12	OM	5	SS	3
B	11	SC	5	SW	3
W	10	WN	5	VL	3
Q	9	XS	5	XY	3
A	7	YA	5	YL	3
F	6	YI	5	YY	3
T	5	YX	5	BQ	2
E	3	ZM	5	BS	2
D	0	CL	4	BY	2
G	0	KJ	4	CI	2
H	0	MO	4	CK	2
R	0	SK	4	CO	2
		SL	4	CS	2
		SY	4	CX	2
		TS	4	EO	2
		US	4	FN	2
		UY	4	IL	2
		XC	4	IP	2
		XL	4	IW	2
		ZC	4	JL	2
		CJ	3	JN	2
		CY	3	KY	2
		IX	3	LK	2
Double Character	Frequency				
BB	1				
CC	1				
LL	2				
MM	1				
PP	1				
SS	3				
YY	3				
ZZ	1				
xx (except as above)	0			xy (except as above)	0, 1, or 2