CHECKERBOARD (60-90 pairs)

A 5x5 Polybius square is used. In the simpler case one 5-letter keyword is to the left of the square and one above it (a). In the complex case, two 5-letter keywords are above and to the left. A plaintext letter is represented by two letters: its coordinates, in row/column order, from outside the square.

(a)

	W	H	I	T	E
B	K	N	I	G	H
L	P	Q	R	S	T
A	O	Y	Z	U	A
C	M	X	W	V	B
K	L	F	E	D	C

(b)

	G	R	A	Y	S
	W	H	I	T	E
H	B	K	N	I	G	H
O	L	P	Q	R	S	T
R	A	O	Y	Z	U	A
S	C	M	X	W	V	B
E	K	L	F	E	D	C

Example using square (a).
pt: n u m b e r s c a n a l s o b e u
CT(a): BH AT CW CE KI LI LT KE AE BH AE KW LT AW CE KI AT

pt: s e d a s c o o r d i n a t e s
CT(a): LT KI KT AE LT KE AW AW LI KT BI BH AE LE KI LT

CT(a):
BH AT CW CE KI LI LT KE AE BH AE KW LT AW CE KI AT LT KI KT AE LT
KE AW AW LI KT BI BH AE LE KI LT.
or
BHATC WCEKI LILTK EAEBH AEKWL TAWCE KIATL TKIKT AELTK EAWAW LIKTB
IBHAE LEKIL T.

Example using square (b).
pt: n u m b e r s c a n a l s o b e u
CT(b): HR RY CG SS EA LA OT KS RS BR AS EG LY AG CS EI AT

pt: s e d a s c o o r d i n a t e s
CT(b): LT KA ET RE OY EE RG AG LA KY HI HH RS OS EI LY

CT(b):
HR RY CG SS EA LA OT KS RS BR AS EG LY AG CS EI AT LT KA ET RE OY
EE RG AG LA KY HI HH RS OS EI LY.
or
HRRYC GSSEA LAOTK SRSBR ASEGL YAGCS EIATL TKAET REOYE ERGAG LAKYH
IHHRS OSEIL Y.