

	A	C	G	T
A	XNOR	XNOR	XOR	XOR
C	XOR	SUB	ADD	SUB
G	SUB	ADD	ADD	ADD
T	ADD	XOR	ADD	SUB

XOR XOR XOR SUB XOR SUB XOR XOR SUB XOR XOR SUB ADD SUB XOR XOR
 Data: T C G C A A T G C G T A T T C G
 Key: A T A C C G A T C A T G G C A A
 Encrypted Data: T G G A C G T T A G A G C G A G
 Key: A T A C C G A T C A T G G C A A
 Decrypted Data: T C G C A A T G C G T A T T C G

bit	Key	XOR	XNOR	ADD	SUB
00 → A	00 → A	00 → A	01 → C	00 → A	00 → A
01 → C	00 → A	01 → C	00 → A	01 → C	01 → C
10 → G	00 → A	10 → G	00 → A	10 → G	10 → G
11 → T	00 → A	11 → T	00 → A	11 → T	11 → T
00 → A	01 → C	01 → C	00 → A	01 → C	11 → T
01 → C	01 → C	00 → A	01 → C	10 → G	00 → A
10 → G	01 → C	11 → T	00 → A	11 → T	01 → C
11 → T	01 → C	10 → G	00 → A	00 → A	10 → G
00 → A	10 → G	10 → G	00 → A	10 → G	10 → G
01 → C	10 → G	11 → T	00 → A	11 → T	11 → T
10 → G	10 → G	00 → A	01 → C	00 → A	00 → A
11 → T	10 → G	01 → C	00 → A	01 → C	01 → C
00 → A	11 → T	11 → T	00 → A	11 → T	01 → C
01 → C	11 → T	10 → G	00 → A	00 → A	10 → G
10 → G	11 → T	01 → C	00 → A	01 → C	11 → T
11 → T	11 → T	00 → A	01 → C	10 → G	00 → A

