

Playfair

Friday, September 11, 2020 12:02 PM

keyword: SCISSORS

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

Couple examples:

encrypt("FA"), same row, so we go F-->A (wrap around)
A-->B
= AB

encrypt("WB"), same col, so we get W-->C (wrap around)
B-->H
= CH

encrypt("TA"), box case, T-->N (same row as T, same col as A)
A-->E (same row as A, same col as T)

encrypt("BU"), box case, B-->F (same row as B, same Col sa U)
U-->P (same row as U, same col as B)

How do people mess up?

They mess up the order of letters to encrypt in the box.

How do you avoid messing that up? A letter always encrypts to another letter on its same row in the box case.

To Decrypt

Same Row case --> go one letter to the left with wraparound

Same Col case --> go up one letter, with wraparound

Box case --> exactly the same as encryption