

### Example

Using "playfair example" as the key, (assuming I and J are interchangeable)

P	L	A	Y	F	<sup>A</sup>
I	R	E	X	<sup>A</sup> M	<sup>PLE A</sup>
B	C	D	<sup>EF</sup> G	H	<sup>I=J</sup>
<sup>LM</sup> K	N	O	<sup>P</sup> Q	<sup>R</sup> S	
T	U	V	<sup>XY</sup> W	Z	

Encrypting the message "Hide the gold in the tree stump":

HI DE TH EG OL DI NT HE TR EX ES TU MP

1. The pair HI forms a rectangle, replace it with BM

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

HI

Shape: Rectangle  
Rule: Pick Same Rows,  
Opposite Corners

BM

2. The pair DE is in a column, replace it with OD

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

DE

Shape: Column  
Rule: Pick Items Below E; Letter, Wrap to Top if Next

OD

3. The pair TH forms a rectangle, replace it with ZB

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

TH

Shape: Rectangle  
Rule: Pick Same Rows, Opposite Corners

ZB

4. The pair EG forms a rectangle, replace it with XD

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

EG

Shape: Rectangle  
Rule: Pick Same Rows, Opposite Corners

XD

5. The pair OL forms a rectangle, replace it with NA

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

OL

Shape: Rectangle  
Rule: Pick Same Rows, Opposite Corners

NA

10. The pair EX (X inserted to split EE) is in a row, replace it with XM

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

EX

Shape: Row  
Rule: Pick Items to Right of Letter, Wrap to Left if Needed

XM

BM OD ZB XD NA BE KU DM UI XM MO UV IF

Your Turn

