

TRIFID (120-150 letters)

See: **TWIN TRIFID**

Start with a 27-letter alphabet (# as the 27th symbol). Select a period (5-15) and write plaintext in period length groups. Below each plaintext letter write its three coordinates vertically using the key array. Reading horizontally, replace each 3-digit number with the letter it represents from the keyword alphabet identified by its vertical coordinates in the array. Complete each period-length group before going on to the next, i.e., use second and third rows of numbers as shown by "/". The period of the example is 10.

1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3
1	1	1	2	2	2	3	3	3	1	1	1	2	2	2	3	3	3	1	1	1	2	2	2	3	3	3
1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
E	X	T	R	A	O	D	I	N	Y	B	C	F	G	H	J	K	L	M	P	Q	S	U	V	W	Z	#

pt: t r i f i d s a r e / f r a c t i o n a t / e d c i p h e r s
#: 1 1 1 2 1 1 3 1 1 1 2 1 1 2 1 1 1 1 1 1 1 1 2 1 3 2 1 1 3
: 1 2 3 2 3 3 2 2 2 1 2 2 2 1 1 3 2 3 2 1 1 3 1 3 1 2 1 2 2
: 3 1 2 1 2 1 1 2 1 1 1 1 2 3 3 2 3 3 2 3 1 1 3 2 2 3 1 1 1
CT: E Y M X V U C R Y Y / Y Y E A Y V Y O V V / X I T D P A T H E

Ciphertext is written in 5-letter groups or period length.

CT: EYMXV UCRYY YYEAY VYOVV XITDP ATHE.