We have intercepted two encrypted messages sent by the enemy (labelled C1 and C2 in the grid below). We have also received the following intelligence by other means:

## \* Foolishly, the enemy have used the same key to encrypt both messages. \* The first word in message 1 (labelled M1 below) is "CONFIDENTIAL". \*

You can work out the rest of the text for both messages using the following procedure and your understanding of cryptanalysis so far:

- 1. Use your addition tables to add together the ciphertexts (C1  $\oplus$  C2).
- 2. Use this new information along with what you have for M1 so far to work out the first part of M2.
- 3. You may be able to guess how either M1 or M2 might continue.

Some tips:

- Do you think there are any spaces in the messages? Remember that a "9" was used to stand in for these.
- Work together! There's a lot to do for just one person, so how can you split the work up between you?

C1:	8	L	ı	W	+	3	I	D	3	L	D   I	В	Z	7   5		Y	E	S	С	Q	X	I	8	Α	0	Н	C	4 7	A (	Z ]	L II,	/	4 ]	R M	ΙΨ	W	I	P	0	R	9	W	9	V	R	P	Н	В	Н	М	Y	Н	0
C2:	Р	K	N	L	U	S	Q	Z	В	Т	K .	3	D S	) +	·   I	L	D	0	K	Х	K	М	X	4	G	G	Р	R ,	/		м -	+	D ]	K Y	Z	K	X	S	Н	J	M	3	Q	F	R	Y	Т	M	P	Т	E	Р	0
C1 ⊕ C2:																																																			***************************************		
M1:	С	0	N	F	I	D	E	N	Т	I	A ]	L																	***************************************																						***************************************		
M2:																																																					
Кеу:																																																					

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C1:	8	L	I	M	+	3	I	D 3	3   L	ı D	В	Z	Y	J	Z	Y	E	S	C	2 Σ	ζ II	- 8	8   A		Н	C	4	А	С	L	/	4	R	M	Z W	I	Р	0	R	9	W	9	V	R	Р	Н	В	н	М	Y	н	0
C2:	Р	K	N	L	U	S	Q	Z   E	3   T	' K	3	D	9	+	I	L	D	0 ]	K Z	ζ F	⟨ M	1 X	4 ا	G	G	Р	R	/	I	М	+	D	K	Y   2	Z K	X	S	Н	J	W	3	Q	F	R	Y	Т	M	Р	Т	E	P	0
C1 ⊕ C2:																																																				
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