

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?

[illegible]

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