

# MysteryTwister C3

THE CRYPTO CHALLENGE CONTEST

## CRYPTANALYSIS HACKING PUZZLES – PART 1

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August 2018

## Challenge (1/3)

This is an imaginary, but possible scenario, where a person A needs to secure the transport of a message to another person B.

A decided not to send the message in clear and to increase the security by using two different human messengers.

A prepared a paper with the following "cipher" text and gave it to the first messenger:

```
d910e60aa257c600edcbda550c9e39591b32dab5f8710f5f073b5927f4b386a72
3d61c5b969dff644ea04a1ff7e668e305e8609a4ca1ff875f41d97e404c6cd8eafb
5c3a316f10311acb88e7d715fa3f7da7f689357af90107a102666c7d7631204d7e
0e74757f692e
```

## Challenge (2/3)

A then prepared another paper with the following "cipher" text and gave it to the second messenger:

```
dc22ea5eb95ad54cee85cd1c5d89255f5e7cd4e1ab6602581b7a593ceff284a43
493551984d4e66d45bc0f02b9ec22e313f57dd449a7e5c01d47cb360d436dc1a
3fb57743d3b17201c9f93f7d743fc277da5f4cb4d04d06661dc6368616c6c656e
676540696e746567
```

When the first messenger returned, A asked him to deliver a third message (this time in plain text) to the same destination (B):

*either one, but not both nor none*

So the receiver B got 3 messages, which all have to be connected with the same operator.

## Challenge (3/3)

The solution consists of the last word of the sought-after plaintext before the signature. Please enter the solution in lower-case letters.

# Hint

The third message is another operand and in addition its content describes with which operator all three messages have to be connected.