MysteryTwister C3

Double Columnar Transposition – Reloaded (Part 1)

Authors: A. Wacker, B. Esslinger, K. Schmeh

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Introduction

After the level X challenge "Double Columnar Transposition" was solved for the first time (using some remarkable new ideas), we decided to create a series of new double columnar transposition challenges. In these new level III challenges we considered the newly discovered vulnerabilities and created three new ones with increasing difficulty.

Challenge

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NNAFTEUEREAFSITAAIEHNSBNEODFIIAHENSNRERRLDEOFULZNASY
HRSELNEWEENSNDERRTEIOSORNOELOOHLQPSSKWITRACIWOITEEEO
TTWNOIBETLORLTYPLIHOOWMWLNRSBEEOILEESRKOENELTOELWETN
TECAABCIIGENNYAEBEWTHLBREHBATIGEONCNITOCICPNKENHTWAT
GBHMSITSHROELHKRADNRTHEYNTRFOTONOOTYREOCREGCUNRLNGOR
REFLHTTBRWIEDPEORHNLCWAAMHLISWLVEIDSEGIEALBESEMYAOAA
HARERNNNIEHANSYWSRTTBRIELDESTCTNLWVRHDNANIFSEHDRNVSH
UIULIUWBLETARBNNIOFWDTHOCIEHTHHETHODNROLSIIIBIHPAATB
WNUETIWNYHNSIESHRRCITPHHAELRWYTDEREBNISOINIEPNRTHWAT
IFGACCFHWPSAUDRXARLYOUEUBBIGFETLDGRADCENNSMEOIHGENHN
OELHORASLHTADEEORDSEIEHWONTHEFTALIGWBKTOKLERDWORPNAE
NSEPWEEEELIIMTEESTIOISATAVACHHVOEESLNOHSR
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The solution consists of the first 34 characters of the original English plaintext in capital letters without any spaces.

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Hints

▶ The key length for both keys is 20 - 27 characters.

▶ The key lengths are co-prime (as with the original level X challenge).

▶ The keys are derived from English sentences.

▶ The plaintext is in English.

▶ You can download an additional file that contains only the ciphertext.

▶ As an exercise, consider the following level I challenge: [1].

▶ The original level X challenge can be found under [2].

[1] https://www.mysterytwisterc3.org/en/challenges/level-i/double-columnar-transposition

[2] https://www.mysterytwisterc3.org/en/challenges/level-x/double-column-transposition