# MysteryTwister C3 

THE CRYPTO CHALLENGE CONTEST

## "The Road" - Part 2

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## Introduction

This is part 2 of a three-part challenge which was inspired by Kryptos. All three parts use the graphic on page 4 with several encrypted texts on the left hand side plus a key part on the right hand side. In addition, it is separated in two blocks one below the other with different colors.

Can you solve this mysterious challenge?

## Hints for all 3 parts

To solve this challenge you should have some experience with the cryptanalysis of classical ciphers. The plaintexts in all 3 parts are in German. This holds also for keys in case they are derived from meaningful words or sentences.

One of the three parts deals with a key which is derived from words that play a central role in a fairy tale. It will not be revealed in which of the three parts this is the case. Please pay attention to the fact that in the German version of the fairy tale one word is translated analogously - not literally. With the aid of Google translator you can also find the analogous translation. In addition you can find the words in the German Wikipedia article about the fairy tale.

## Challenge (1/2)

DFIWNOAMYWPFFHUWJIBTL QOZOWVUZKUMUMBRWZUEZW ZCYSGYUKLSSNHHUZNZBES ZHYLKTUZUMWKGVHKXBAQN LWMDCBKITICKRXAXRNTIT PLZETQGJLIIITWMRTRTSN EFDMSSNDNFENVEEIHSUGG REEDEUZOEWLEOITSREAEE AIMSNRESGDNRUEWTDVENE USIROIDSSNEEUAIIIITWT RTRTSNEFDMSSNDNFEWVEE IHZUGGREEDEUZOIWLEOIT SREAEEAIMSNAESGDNRUEW TDVENEUSEROIDSSNENUAI

TTYNUBBICXWDMNJFMCBVQPOXJZ DWRUPHLBZWISSOXMSHFNPPIJZR CNLZKNFHSZVKRFXMJFYLJUXVCW FBDSJTBTIJWCKRJGSCKFNWKIAJ QCWQESNCWDGIADWKRFRHDCOTOU HEVVXKARCWYCGBOOJUBWCFEPKR GGIRDECHJXZFVQQMNBSMZCNMMM QRXXUDYPNGAFFZYDCPNNQOYJMV BWGRBKVUWURKZGNURZJSVFBNTN QRXEJAPVUDJQZWFVNYRTSAWZBG OYTJTUBWIHPWEXNIDISSIYHDWX GNYKZGDWKLWHHVNSJXCYDKNWGZ

JAUNEBCDFGHIKLMOPQRSTVWXYZ AUNEBCDFGHIKLMOPQRSTVWXYZJ UNEBCDFGHIKLMOPQRSTVWXYZJA NEBCDFGHIKLMOPQRSTVWXYZJAU EBCDFGHIKLMOPQRSTVWXYZJAUN BCDFGHIKLMOPQRSTVWXYZJAUNE CDFGHIKLMOPQRSTVWXYZJAUNEB DFGHIKLMOPQRSTVWXYZJAUNEBC FGHIKLMOPQRSTVWXYZJAUNEBCD GHIKLMOPQRSTVWXYZJAUNEBCDF HIKLMOPQRSTVWXYZJAUNEBCDFG IKLMOPQRSTVWXYZJAUNEBCDFGH KLMOPQRSTVWXYZJAUNEBCDFGHI LMOPQRSTVWXYZJAUNEBCDFGHIK

MOPQRSTVWXYZJAUNEBCDFGHIKL OPQRSTVWXYZJAUNEBCDFGHIKLM PQRSTVWXYZJAUNEBCDFGHIKLMO QRSTVWXYZJAUNEBCDFGHIKLMOP RSTVWXYZJAUNEBCDFGHIKLMOPQ STVWXYZJAUNEBCDFGHIKLMOPQR TVWXYZJAUNEBCDFGHIKLMOPQRS VWXYZJAUNEBCDFGHIKLMOPQRST WXYZJAUNEBCDFGHIKLMOPQRSTV XYZJAUNEBCDFGHIKLMOPQRSTVW YZJAUNEBCDFGHIKLMOPQRSTVWX ZJAUNEBCDFGHIKLMOPQRSTVWXY ABCDEFRHIMKLJNOPQGSTUVWXYZ

## Challenge (2/2)

In the 2nd part of the challenge you have to solve the encrypted plaintext of the lower, green block of the graphic. This block consists of only one encrypted text.

At the end of the located plaintext you will find a short, additional encrypted text. This text is encrypted very simple. Decrypt this text additionally and enter it as the solution in capital letters without spaces.

## Hints

- Elderly fairy tale from the USA
- Don't be deceived by the wizard. The solution is far more simple than it seems to be
- The technique that consists of two popular encryption methods is "demonstrated" step by step in the 1st part
- The two methods differ in complexity
- There is a modification of the method which is harder to solve that violates Kerckhoffs's Principle
- Hints for this modification can be found in the last plaintext of the 1st part ( 2 mistakes) as well as in the key part on the right hand side (ABC)
- Because of this modification, the encrypted text has 52 more letters than the plaintext

