MysteryTwister C3

THE CRYPTO CHALLENGE CONTEST

Monoalphabetic substitution with camouflage – Part 2

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Not removing the spaces in a plaintext before the encryption makes a standard monoalphabetic substitution easy to break. Including spaces as a character of the plaintext alphabet does not make it much harder to break, either.

So it is common to remove spaces to increase the security of the cipher. But then the receiver of a secret message has to deal with very uncomfortable reading after the decryption especially when the messages are longer.

In this challenge it is to test whether a monoalphabetic substitution with camouflage (see part 1) provides more security even though spaces were not removed.

We include a space character in the plaintext alphabet and also a period character. The space letter is represented by "*" because it is more practical to work with visible characters.

The plaintext alphabet consists of the following 28 characters: ABCDEFGHIJKLMNOPQRSTUVWXYZ*.

The camouflage alphabet consists of these 26 characters: abcdefghijklmnopqrstuvwxyz

You can find the chiphertext in the additional file mtc3-veselovsky-10-monospaces-ciphertext.txt

The plaintext is a story written in English.

Find the fifth sentence counting from the end and provide it written in characters of the plaintext alphabet as a solution.

Hints

The last character of the solution is a period "."

Keep in mind that "*" in the plaintext represents " ", so after deciphering simply replace every asterisk by a space and enjoy a comfortable reading.