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Problem (1-2)

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Problem 1

1/1 point (graded)

What is your favorite integer K between 1 and 26? Encrypt your favorite message by Caesar cipher with encryption key K . Write the encrypted message on the Discussion forum. Keep your encryption key secret.

Go to the Discussion forum.

Did you post your favorite integer K between 1 and 26 on the Discussion forum?

☒ Yes ✓

☐ No

Submit

You have used 1 of 1 attempt

✓ Correct (1/1 point)

Problem 2

1.0/1.0 point (graded)

Choose the incorrect statement.

- ☒ Caesar cipher was used by Gaius Julius Caesar. Caesar cipher is still widely used for military purposes because it is safer than other modern cryptosystems such as the RSA cryptosystem. ✓
- ☐ In order to encrypt the message by Caesar cipher, we need to shift the alphabet by a fixed integer, which is the encryption key. Caesar cipher is also called the shift cipher.
- ☐ Because many methods to attack Caesar cipher are known, Caesar cipher is not considered as a secure cryptosystem. Today, Caesar cipher is rarely used by itself to encrypt confidential messages.
- ☐ The decryption key of Caesar cipher can be easily calculated from its encryption key. Caesar cipher is an example of symmetric cryptosystems which cannot be used for constructing public key cryptosystems.

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You have used 1 of 2 attempts

i Answers are displayed within the problem

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