

课堂练习一

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1. 明文内容是什么？

Methods of making messages unintelligible to adversaries have been necessary. Substitution is the simplest method that replaces a character in the plain text with a fixed different character in the ciphertext. This method preserves the letter frequency in the plain text and so one can search for the plain text from a given cipher text by comparing the frequency of each letter against the known common frequency in the underlying language.

2. 试说明这是一种什么样的加密算法？密钥是什么？

单表代换

密钥：{'m': 'N', 'e': 'T', 't': 'C', 'h': 'G', 'o': 'P', 'd': 'D', 's': 'O', 'f': 'A', 'a': 'F', 'k': 'L', 'i': 'H', 'n': 'J', 'g': 'I', 'u': 'V', 'l': 'M', 'b': 'E', 'v': 'W', 'r': 'S', 'c': 'B', 'y': 'Z', 'p': 'Q', 'x': 'Y', 'w': 'X', 'q': 'R'}