【Problem Description】

Julius Caesar encryption method. This method selects an encryption key each time it encrypts, which is a number between 1 and 25, specifying the number of shifts when encrypting letters. For example, if the key is 3, then A is converted to D, Z is converted to C, and so on. The same rule applies to lowercase letters (see the example below), while other characters remain unchanged. Encrypt a file using this method.

Hint: For uppercase letters, if the encryption key is 'key' ('key' is an integer), the conversion formula is 'A' + (c - 'A' + key) % 26.

M	E	e	t	m	e	a	T
P	H	h	w	p	h	d	W

【Input Format】

Enter an integer between 1 and 25 as the encryption key from standard input. Then, read the file "in.txt" in the current directory, which contains multiple lines of arbitrary characters and may include empty lines. Each text line is not longer than 80 characters.

【Output Format】

Encrypt the input file contents according to the method described above. Then, output the encrypted texts to the file "out.txt" in the current directory.

【Sample Input】

If the input key is 3 and the content of the "in.txt" file is as follows:

c language is important.

WO AI BEIJING TIANANMEN.

YYH SZ DSZ DDSZ.

【Sample Output】

The encrypted content of the "out.txt" file is as follows:

f odqjxdjh lv lpsruwdqw.

ZR DL EHLMLQJ WLDQDQPHQ.

BBK VC GVC GGVC.

【Explanation】

Encrypt the contents of the input file according to the input key and conversion formula, and output the results to the file "out.txt".

提交源文件 选择文件 未选择任何文件 提 交

注意: 只能用 PYTHON 语言编写程序。 如果有多个源文件，压缩成 `rar 或者 zip` 包提交。如果用Python多源文件，包内必须包含`__main__.py`文件。

运行结果

下载源文件

最后一次提交时间:2023-06-29 14:01:59

共有测试数据:5
平均占用内存:7.951K　平均CPU时间:0.10292S　平均墙钟时间:0.10319S

测试数据	评判结果
测试数据1	完全正确
测试数据2	完全正确
测试数据3	完全正确
测试数据4	完全正确
测试数据5	完全正确