



# Pipe Pals

by matfah

Problem

Submissions

Discussions

Dory is communicating with Destiny through the pipes of the Marine Life Institute. She'd like to keep her message secret from any eavesdroppers, so she decides to use a simple encryption technique. She'll shift each letter in her message by a certain amount, and then Destiny will just reverse the shift to get the original message. Help Dory by writing a program that helps encrypt her message.

Skeleton: <https://drive.google.com/file/d/0BxxolsFkwnDqWXdrbkdtbWdiNW8/view?usp=sharing>

## Input Format

First line will contain a single integer  $n$ , the amount to shift each letter by. Second line will contain a message to encrypt.

## Constraints

$0 \leq n \leq 1,000,000$   $0 \leq \text{message.length}() \leq 1,000$

## Output Format

The message after every alphabetic character (a to z and A to Z) is shifted by  $n$  places to the right, wrapping around the alphabet.

## Sample Input 0

```
1
When life gets you down, you know what you gotta do? Just keep swimming.
```

## Sample Output 0

```
Xifo mjgf hfut zpv epxo, zpv lopx xibu zpv hpuub ep? Kvtu lffq txjnnjoh.
```

## Sample Input 1



```
10
DORY'S PARENT: "We see the undertow, and we say💎💎💎" DORY: "LET'S GO!"
```

## Sample Output 1



```
NYBI'C ZKBOXD: "Go coo dro exnobyg, kxn go cki💎💎💎" NYBI: "VOD'C QY!"
```

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Current Buffer (saved locally, editable)  

BASH

1	
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Run Code

Submit Code