**ASTU ICPC Club**

**prob :ceaser**

Merhawi really likes encoding and decoding things . His favorite cypher to use is the ceaser cypher

so he has encoded a lot of text using this method .. and now he would like your help in decoding them to actual text

*a ceaser cypher is a type of encoding in which we use the letter n letters after the one we want in the alphabet and depending on the number n the out put deffers.*

*We will call n the offset fro now*

*Eg*

*if n=1*

*abc becomes bcd*

*xyz becomes yza*

*if n=2*

*abc becomes cde*

*xyz becomes zab*

*and so on*

input :

the first line of input in a number m denoting the lines of input to follow. The next m lines of input will have an integer n the offset and a string with no spaces

output :

a single deciphered line for each input on a new line

sample input

4

1 bcd

3 tzh

0 merhawi

5 dxkx

sample output

abc

qwe

merhawi

icpc