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