5. Family Portrait

Program Name: Family.java   **Input File: family.dat**

Roger is a software developer. Sometimes, he has to rotate pictures for his applications manually from portrait layout to landscape, one pixel at a time, so he can print the picture on a given printer. You are to write a program that will do this rotation for him.

Input

The first line of input will contain a single integer n that indicates the number of pictures he needs to rotate. For each picture, there will be 18 rows of pixels with 12 columns of pixels in each row representing a picture that is 2 inches wide and 3 inches long. There will be a blank line after each picture. Each pixel will be represented by a keyboard character.

Output

For each picture input, you will print the picture after it has been rotated clockwise 90 degrees. Print a blank line after each picture printed.

Example Input File
```
1
1BBBBBBBBBB2
1AAA5678GGG2
123488889012
18888**88882
12888**88882
12777**77712
1234****9012
1234****9012
12888..88812
18888..88882
1((((__))))2
1(((__.__))2
1---..-..--2
1$$$$$$$$$$2
133556677882
1444aaa55aa2
1eerrttyyuu2
1BBBBBBBBBB2
```

Example Output to Screen
```
111111111111111111
Be43$-((82222282AB
Be43$-((88337883AB
Br45$-((88447884AB
Bra5$._(88**78885B
Bta6$.__..*****86B
Bta6$-._..*****87B
By57$._)88**78888B
By57$._)88997889GB
Bua8$-))88007880GB
Bua8$-))81111881GB
222222222222222222
```