Magic Colors

locked

Problem Statement

Arif, the magician is putting some magic colors in a box serially. But he is not providing any divider between the colors. So, the color may be mix up **instantly**.

There are three types of colors- Red, $Green$ and $Blue$. How they could mix up is given below -

- $Red + Blue = Purple$
- $Red + Green = Yellow$
- $Blue + Green = Cyan$

And there are some other problems. If two same type of colors mix up, they will vanish each other. For example if two $Purple$ colors get together, both of them will be vanished.

Can you help the magician to get the final colors that will be in the box?

Input Format

- First line will contain T, the number of test cases.
- Next line will contain N, number of colors in the box.
- Next line will contain N characters (R,G,B only) , first capital letter of the color.

Constraints

1. $1 \leq T \leq 100$
2. $1 \leq N \leq 100$

Output Format

- Output the first capital letter of the colors that are saved finally.

Sample Input 0

```
2
3
RBG
4
RGBB
```

Sample Output 0

```
PG
Y
```

Sample Input 1

```
5
6
RGGRRG
6
RGRGRG
4
RGGR
5
RGGGR
4
RGGB
```

Sample Output 1

```
Y
Y

YR
YC
```