Problem K. 8-bit Zoom

Input file:	`standard input`
Output file:	`standard output`
Time limit:	1 second
Memory limit:	512 megabytes

You are given a picture with size $n \times n$. You need to output the zoomed picture with the zooming rate $Z\%$ in 8-bit style, or determine the picture can not be zoomed. Here in 8-bit style, the size of the result picture is $\frac{nZ}{100} \times \frac{nZ}{100}$. A picture can not be zoomed in 8-bit style if and only if any of the following holds:

- $\frac{nZ}{100}$ is not an integer.
- In the zoomed picture, the color of some pixels can not be determined. Note that there aren't any interpolation algorithm applied in 8-bit style, so when at least two different colors are mapped into the same pixel in the resulting picture, the color of this pixel is undetermined.

Input

The first line contains a single integer T ($1 \le T \le 10$), the number of test cases. For each test case:

The first line contains two integers n and Z ($1 \le n \le 50$, $100 \le Z \le 200$, $Z \bmod 25 = 0$), denoting the size of the original picture and the zooming rate.

Each of the following n lines contains a string of length n, consisting of lowercase English letters. The j-th character in the i-th line denotes the color of the pixel located at (i, j).

Output

For each test case, if the picture can not be zoomed, print "`error`" in a line, otherwise print $\frac{nZ}{100}$ lines, each line contains a string of length $\frac{nZ}{100}$, denoting the resulting picture.

Example

standard input	standard output
5 2 100 ab cd 2 200 ab cd 2 125 aa aa 4 125 aaab aaaa aaaa aaaa 4 125 aaaa aaaa aaaa aaaa	ab cd aabb aabb ccdd ccdd error error aaaaa aaaaa aaaaa aaaaa aaaaa