HELP 2.0

Description

Brie, Lena, and Amanda got an assignment from the art class. They were asked to draw a pattern with the "." character and "-" character, with a size of NxM. There have to be 2 types of pattern, pattern A and pattern B. Each pattern starts with a different character. Pattern A starts with a "." character and pattern B starts with a "-" character.

Since you are done with your art assignment, you decided to help them and make a program that will make it easier for them to draw the patterns. Make a program that takes the number of rows and columns from them. And for pattern A, every odd row will be shifted to the right, while for pattern B, every even row will be shifted to the right.

Constraints

0 < N < 100
0 < M < 100

Input

The first line will be **T** which is how many patterns there will be. The next T line will be **Type of pattern, N, M.**

Output

The output will be a pattern(s) as much as the T and the first line for every pattern will be **Pattern no :** and the next line(s) will be the pattern with a number for row and column that is based on the input

Example

input
2 A 3 5 B 9 8

output
Pattern no : 1 .-.-. .-.-. .-.-. Pattern no : 2 -.-.-.-. -.-.-.-. -.-.-.-. -.-.-.-. -.-.-.-. -.-.-.-. -.-.-.-. -.-.-.-. -.-.-.-.

Good luck ＼(ˆ▽ˆ)／