## Character Patterns (Act 1)

Using two characters: . (dot) and * (asterisk) print a chessboard-like pattern. The first character printed should be * (asterisk).

## Input

You are given $t<100$ - the number of test cases and for each of the test cases two positive integers: $I$ - the number of lines and $c$ - the number of columns in the pattern ( $I, c<100$ ).

## Output

For each of the test cases output the requested pattern (please have a look at the example). Use one line break in between successive patterns.

## Example

Input:
3
31
44
25

## Output:



