Drawing Triangles with Brainf##k

Your task is just to draw triangles! seems easy(?) but only Brainf**k programming language is allowed.

Input

The first line is an integer **T** (0 < **T** < 100), denoting the number of test cases. Then, **T** lines follow.

For each test case, there are one character **c** (ASCII(32) < **c** < ASCII(127)) and one integer **i** (0 < **i** < 100) written in one line, separated by a space. Each line end with ASCII(10).

Output

For each test case, output triangle size **i** (draw triangle using character **c**). See example.

Example

Input:
3
& 1
@ 3
? 5

Output:
&
@
@@
@@@
?
??
???
????
?????

See also: Another problem added by Tjandra Satria Gunawan