

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** ($\text{ASCII}(32) < c < \text{ASCII}(127)$) 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](#)