

Future Printer

Welcome to the future. Everyone has received their complementary 3D printer and physical objects are trivially created...if you can describe those objects well enough, which does take some time. Being the go-to-computer-person for your entire extended family there have been too many of such requests. Lets automate some of this work. Triangles are a common base shape in many designs, and we want a particular type of such in various sizes.

Input

The first line of the input will contain an integer T , the number of test cases. Each test case will be one line with an integer N , $1 \leq N \leq 25$, the height of the triangle.

Output

The outputt will contain T ASCII drawings of the triangles, in corresponding heights. The shape of a triangle is something as follows:

```
..*..
..*..
.***.
.***.
*****
```

Example

Input :	Output :
3	*
1	*
2	*
3	.*. .*. ***