
Bows

X70418_en

Write bows like the ones described in the examples.

Note: It is not allowed to use functions, vectors and any other way to store massive data. The solution must deal with the input data sequentially without storing arbitrarily large intermediate memory.

Input

The input has several cases, each one described in one line. For each case, we have a natural number $n \geq 1$.

Output

For each case, write the corresponding bow. Note that there are not white spaces at the end of each line. Separate two consecutive cases with a blank line.

Sample input

```
1
2
3
4
5
```

Sample output

```
x

xxx
 x
xxx

xxxxx
 xxx
  x
  xxx
xxxxx

xxxxxxxx
xxxxxx
 xxx
  x
  xxx
xxxxx
xxxxxxxx

xxxxxxxxxx
xxxxxxxxxx
xxxxxx
 xxx
  x
  xxx
xxxxxx
xxxxxxxxxx
xxxxxxxxxx
```

Problem information

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