
Easy octagons

P87198_en

Write a program that for every given n prints an “octagon of size n ” according to the pattern shown in the examples.

Input

Input consists in several natural numbers $n \geq 2$.

Output

For every n , print an “octagon of size n ” using capital exes. Do not print any space to the right of the exes. Print an empty line after each octagon.

Sample input 1

2
3
4

Sample output 1

```
  XX
XXXX
XXXX
  XX

   XXX
  XXXX
XXXXXXX
XXXXXXX
XXXXXXX
XXXXXX
  XXX

   XXXX
  XXXXX
XXXXXXX
XXXXXXXXX
XXXXXXXXX
XXXXXXXXX
XXXXXXXXX
XXXXXXX
  XXXXX
  XXXX
```

Problem information

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