Easy octagons   P87198_en

Examen parcial d'Informàtica, FME (2013-11-04)

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

```
2
3
4
```

Sample output

```
 XX
XXXX
XXXX
 XX

  XXX
 XXXXX
XXXXXXX
XXXXXXX
XXXXXXX
 XXXXX
  XXX

   XXXX
  XXXXXX
 XXXXXXXX
XXXXXXXXXX
XXXXXXXXXX
XXXXXXXXXX
XXXXXXXXXX
 XXXXXXXX
  XXXXXX
   XXXX
```

Problem information

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