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## Easy octagons

P87198\_en

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

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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
XXXXXXXX
XXXXXXXX
XXXXXXXX
  XXXXX
   XXX

   XXXX
  XXXXXX
XXXXXXXXXX
XXXXXXXXXXXX
XXXXXXXXXXXX
XXXXXXXXXXXX
  XXXXXXX
   XXXXXX
   XXXX
```

### Problem information

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Generation : 2024-05-03 01:07:49

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