Squares (4)   P35080_en

Write a program that prints n squares $n \times n$. Draw each square independently, and start filling it with $0, 1, \ldots, 9, 0$, etc.

Input

Input consists of a natural number between 1 and 9.

Output

Print n squares of size $n \times n$, by filling them with $0, 1, \ldots, 9, 0$, etc. Separate two squares with an empty line.

Sample input 1

```
3
```

Sample output 1

```
012
345
678

012
345
678

012
345
678
```

Sample input 2

```
4
```

Sample output 2

```
0123
4567
8901
2345

0123
4567
8901
2345

0123
4567
8901
2345

0123
4567
8901
2345
```

Problem information

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