
Tripling a matrix**P24265_en**

Write a program that reads a matrix $m \times n$ and prints it with its elements tripled.

Input

Input consists of two natural numbers strictly positive m and n , followed m lines with n integer numbers each one.

Output

Print the matrix with its elements tripled, following the format of the instance.

Sample input 1

```
4 6
5 7 6 4 1 2
2 8 1 3 8 8
0 1 2 9 2 1
6 5 4 3 2 1
```

Sample output 1

```
15 21 18 12 3 6
6 24 3 9 24 24
0 3 6 27 6 3
18 15 12 9 6 3
```

Problem information

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