Problem S. Leyland Number

Time Limit 2000 ms

Problem Statement

You are given positive integers A and B.
Print the value $A^B + B^A$.

Constraints

- $2 \leq A \leq B \leq 9$
- All input values are integers.

Input

The input is given from Standard Input in the following format:

```
A B
```

Output

Print the answer as an integer.

Sample 1

Input	Output
2 8	320

For $A = 2, B = 8$, we have $A^B = 256, B^A = 64$, so $A^B + B^A = 320$.

Sample 2

Input	Output
9 9	774840978

Sample 3

Input	Output
5 6	23401