Graph Contest 1 P1 - Counting Paths

Time limit: 1.0s **Memory limit:** 16M

Given a graph as an adjacency matrix, count the total number of paths of length K.
The paths *do not* have to be simple.

Input Specification

Two integers, N and K $(N, K \leq 100)$.
An adjacency matrix, N rows of N numbers.

Output Specification

The number of different paths of length K.

Sample Input

```
3 1
0 1 1
1 0 1
1 1 0
```

Sample Output

```
6
```

Note from admin: the test data for this problem is, in particular, erroneous. In certain cases, the answer is too large to be contained in a 32-bit signed integer. However, you should **not** move to larger data types, and should instead use this type (`int` in C/C++, `longint` in Pascal) to store the answer and "allow it to overflow" when necessary. Be cautious in other languages where 32-bit signed integers are not the primarily used type.