## Problem K. Ancient Magic Circle in Teyvat

Astrologist Mona Megistus discovers an ancient magic circle in Teyvat recently.


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The magic circle looks like a complete graph with $n$ vertices, where $m$ edges are colored red and other edges are colored blue. Note that a complete graph is a simple undirected graph in which every pair of distinct vertices is connected by a unique edge.
Mona realizes that if she chooses four different vertices such that the six edges between these four vertices are of the same color, she will get a key from the magic circle. If the color is red, she will get a red key, and if the color is blue, she will get a blue key.
Base on the information written in the ancient books Mona has read, the magic power of the ancient magic circle is the absolute difference between the number of red keys and the number of the number of blue keys she can get from the magic circle.
Mona needs your help badly, since calculating the magic power of the magic circle is really a tough job.

## Input

There is only one test case in each test file.
The first line of the input contains two integers $n$ and $m\left(4 \leq n \leq 10^{5}, 0 \leq m \leq \min \left(\frac{n(n-1)}{2}, 2 \times 10^{5}\right)\right)$ indicating the number of vertices and the number of edges colored red of the ancient magic circle.

For the following $m$ lines, the $i$-th line contains two integers $u_{i}$ and $v_{i}\left(u_{i}<v_{i}\right)$ indicating a red edge connecting vertices $u_{i}$ and $v_{i}$. It is guaranteed that each edge appears at most once.

## Output

Output one line containing one integer indicating the magic power of the ancient magic circle.

## Example

|  | standard input | standard output |
| :--- | :--- | :--- |
| 7 | 6 | 3 |
| 1 | 2 |  |
| 1 | 3 |  |
| 1 | 4 |  |
| 2 | 3 |  |
| 2 | 4 |  |
| 3 | 4 |  |

## Note

For the sample case, there is only one red key $(1,2,3,4)$ and there are four blue keys $(1,5,6,7),(2,5,6,7)$, $(3,5,6,7)$ and $(4,5,6,7)$ in the ancient magic circle, thus the magic power of the magic circle is $|1-4|=3$.

