## Count Pairs

Given a undirected graph with $n$ veritces and $m$ edges. Your taks is count the number of distinct pairs $(u, v)$ that there is exist a path with length exactly 2 from $u$ to $v$. Another mean, with each pair ( $u, v$ ), we could find a vertex that we have an edge ( $u, t$ ) and ( $t, v$ ). The input set may be contains multiple edge between any vertex and not consider to connected.

## Input

- First line: $n, m\left(1<=n, m<=10^{\wedge} 5\right)$.
- m following line: $\mathrm{u}, \mathrm{v}(1<=\mathrm{u}, \mathrm{v}<=\mathrm{n})$.


## Output

The number of distinct pairs.

## Example

## Input:

54
21
15
31
43
Output:
4
Note: we have (1, 4), (2, 3), (2, 5), (3, 5)

