From edge list to adjacency matrix

Cost: 4 | Solved: 135

Memory limit: 256 MBs

Time limit: 1 s

Input: input.txt

Output: output.txt

Task:

An undirected graph is given by its edge list.

Output its representation in the form of adjacency matrix.

Input:

The first line contains a natural ***n*** (1 ≤ ***n*** ≤ 100) **–** the quantity of the graph's vertexes, and a natural ***m*** (1 ≤ ***m*** ≤ ***n****(**n**-1)/2*) **–** the quantity of the graph's edges.

The next ***m*** lines contain pairs of numbers **–** indices of vertexes that have an edge between them.

Output:

The adjacency matrix of the given graph.

Example:

Input	Output

5 3 1 3 2 3 2 5	0 0 1 0 0 0 0 1 0 1 1 1 0 0 0 0 0 0 0 0 0 1 0 0 0