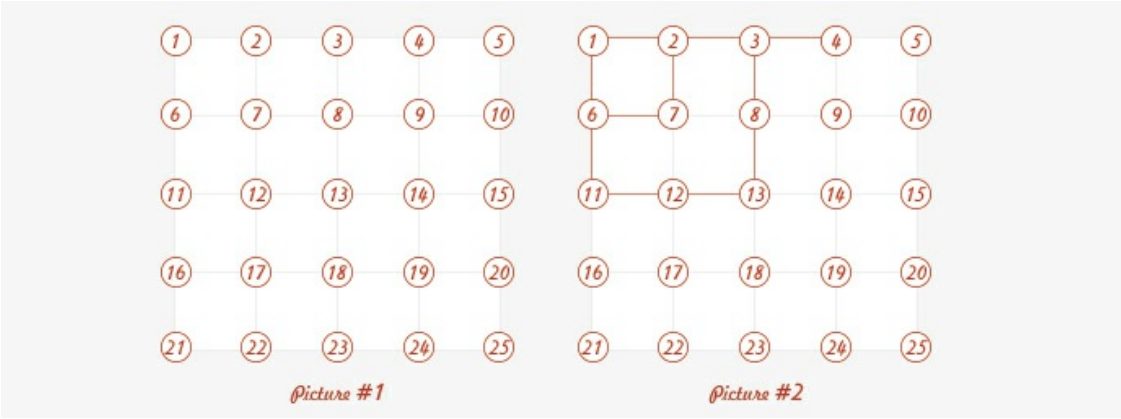


BUILDERS TEAM.

CHALLENGE DESCRIPTION:

A team of builders have a task to lay pipes in a new city district: they lay out cables, electricity, phone, and other pipes. They lay each pipe according to the given route — starting from house 1 to house 25 as shown on a map (see Picture #1). Houses with all laid communication pipes are those where all pipes form a square. Let’s consider a map on Picture #2. It shows that the water will be in houses 1, 2, 3, 6, 7, 8, 11, 12, and 13. While in house 4 and all the other houses, there will be no water.

Your task is to count the number of squares of laid pipes between houses on a map. The answer to picture #2 will be 2 squares. If there were pipes between houses 7 and 8, then the number of squares would be 3. If there were pipes between houses (7 and 8) and (7 and 12), then the number would be 5 squares.



INPUT SAMPLE:

The first argument is a path to a file. Each line includes a test case, which contains the coordinates by which pipes should be laid. Coordinates are separated by a pipeline '|'.

For example:

```
1 2 | 6 7 | 7 2 | 1 6 | 2 3
1 2 | 6 7 | 7 2 | 1 6 | 2 3 | 7 8 | 3 8
1 2 | 1 6 | 6 7
```

OUTPUT SAMPLE:

You need to count all squares of laid pipes on a district map.

For example:

```
1
2
0
```

CONSTRAINTS:

- 1. The number of coordinates in one test case can be from 4 to 60.
- 2. The number of test cases is 40.