```
++++++++++++++++++++++++
A simple demo
4 5
0 10  1 20  2 20  3 40  4 10
1 20  0 10  3 30  2 50  4 30
2 30  1 20  4 12  3 40  0 10
4 50  3 30  2 15  0 20  1 15
++++++++++++++++++++++++
```