

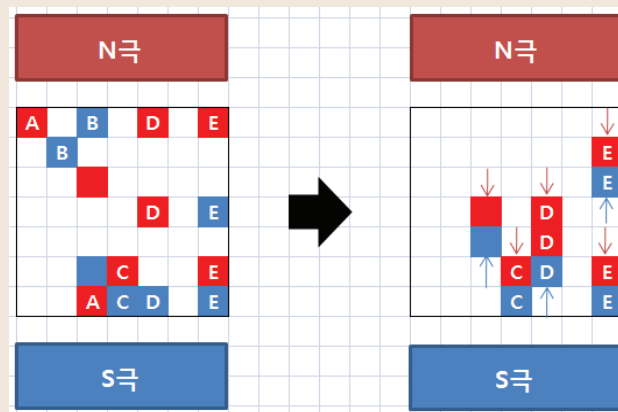


Trial Testing 1. Magnetic



Question

- ✓ After applying the magnetic fields of N pole and S pole to the table, write a program which returns the number of deadlocks remaining on the table after the magnetic substances collide with each other over time.
- ✓ 5 deadlocks occurred in the example below.



Input value

```
int data[100][100]; // information of magnetic substances distributed on
                    // the table
                    // 0: empty space
                    // 1: N pole (a red magnetic substance)
                    // 2: S pole (a blue magnetic substance)
```

Output value

- ✓ After applying the magnetic fields, lastly return the number of deadlocks remaining on the table.