

DWITE '09 R7 #3 - Oil Spill Area

Time limit: 1.0s **Memory limit:** 64M

DWITE Online Computer Programming Contest, May 2010, Problem 3

We want to measure globes of the oil spills, by calculating their area from satellite images. There could be multiple disconnected globes in a single image, so the area of interest is marked.

The input will contain 5 test cases, each a 10×10 grid. Each set is followed by a line of 10 `=` signs, to visually break up test cases.

- `#` — oil spill
- `.` — water
- `A` — marks the area of interest

The output will contain 5 lines, integers $1 \leq N \leq 100$ — area of corresponding oil globes.

Note: only up/down and left/right adjacent cells are connected. Diagonals are not.

Sample Input

```
.....
.##.....
...#.....
...###...
...#A#...
...###...
.....
.....
.....
.....
=====
.....
...#####.
...#...#.
...#...#.
...##A#.#.
.....#.
.....##.
.....
##.....
##.....
=====
```

Sample Output

```
9
20
```

Problem Resource: [DWITE](#)