



## Sample Input

---

```
3 6
WW G
WG G
GW W
GG W
GWG
*
3 4
WW W
WG W
GW G
GG G
GGW
*
```

## Sample Output

---

```
GWW
GGW
```

**Note:** Only 2 cases are shown in this sample.

## ECOO 2017 Question Development Team

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