

Wocs and Cows 3

Problem Statement:

After the first woc invasion, Farmer John has expanded his farm, and his technology! Farmer John now has $N \times M$ cows, standing in a $N \times M$ grid! Unfortunately, the wocs have invaded again, replacing some of his cows with wocs. Farmer John's new weapon, the latest Cowinator 2.0, can convert a square of any size of wocs back into cows in one shot. However, Farmer John only has 1 shot of the Cowinator 2.0. Farmer John wants to know at most how many wocs he can convert back into cows in 1 shot, without hitting any cows.

Input Format:

Line 1: N M

Line 2.. $N+1$: M digits, each being either 0 or 1, with 1 representing a cow and 0 representing a woc

Example Input:

```
5 5
11111
10011
10011
11011
11101
```

Flag Format:

mctf{w0c5_4Nd_cOwS_3_**[ANSWER]**}

[ANSWER]: an integer representing greatest the number of wocs that can be hit

Example Flag:

mctf{w0c5_4Nd_cOwS_3_4}

Answer Explanation:

```
11111
10011
10011
11011
11101
```