

Exemplo de Entrada

```
8
golgolgolgolgolgolgol
GOLGOL
GGGGG00000LLLLLLLLGGGGG00000LLLLLLLLGGGGG00000LLLL
g0lGolgoLgGggGGGggGG000ooo000o0LL11LL11L
gol
golacogoleirogoklgoilggggttgglllloobbggggootggootllgoolfffff
aaaaaaaaaaaaa
GGGGGGGGGGGGGGGggggggggggg00000000000000oooooLLLLLLLLLLLLLL111111
```

Exemplo de Saída

```
7x1
2x1
3x1
4x1
:(
essa copa nunca sera nossa...
essa copa nunca sera nossa...
:(
```