



**Sample Input 2**

```
8 20 1
14
000000000000000000000000
0000000000000000?00000
000000000000000000000000
00000000000000##0000
000000000000000000000000
00000000##?#0#?0##
0#####0000000000
#0000000000000000##
```

**Sample Output 2**

```
0000000000000000~~~0000
0000000000000000~?~0000
0000000000000000~~~~000
00000000000000~###~000
00000000~~~~~~00
~~~~~##?#~#?~##
~#####00000~0~~~
#000000000000000~0~##
```