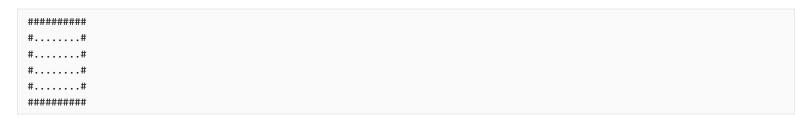# Print a Frame

Time Limit : 1 sec, Memory Limit : 131072 KB

Print a Frame

Draw a frame which has a height of H cm and a width of W cm. For example, the following figure shows a frame which has a height of 6 cm and a width of 10 cm.

```
##########
#........#
#........#
#........#
#........#
##########
```

Input

The input consists of multiple datasets. Each dataset consists of two integers H and W separated by a single space.

The input ends with two 0 (when both H and W are zero).

Output

For each dataset, print the frame made of '#' and '.'.

Print a blank line after each dataset.

Constraints

- $3 \le H \le 300$
- $3 \le W \le 300$

Sample Input

```
3 4
5 6
3 3
0 0
```

Sample Output

```
####
#..#
####

######
#....#
#....#
#....#
######

###
#.#
###
```