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e-maze-in



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PROBLEM

EDITORIAL

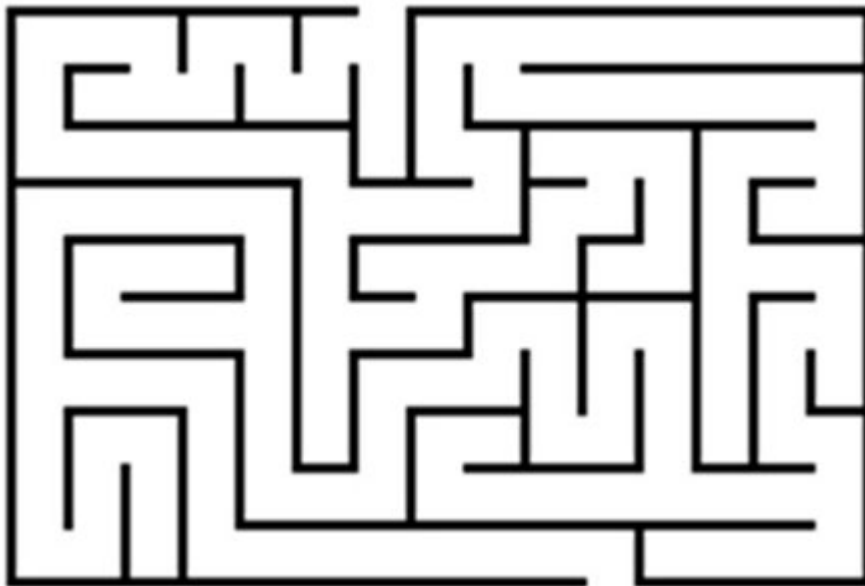
MY SUBMISSIONS

ANALYTICS

DISCUSSIONS

NEW

Ankit is in maze. The command center sent him a string which decodes to come out from the maze. He is initially at (0, 0). String contains L, R, U, D denoting left, right, up and down. In each command he will traverse 1 unit distance in the respective direction.



For example if he is at (2, 0) and the command is L he will go to (1, 0).

Input:

Input contains a single string.

Output:

Print the final point where he came out.

Constraints:

 $1 \leq |S| \leq 200$

SAMPLE INPUT



LLRDDR



SAMPLE OUTPUT



0 -2

Explanation

None

Time Limit: 1.0 sec(s) for each input file.**Memory Limit:** 256 MB**Source Limit:** 1024 KB

BEST SUBMISSION



SIMILAR PROBLEMS



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