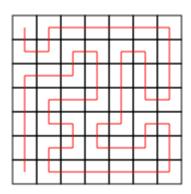
## **Grid Path**

Time limit: 2s

Memory limit: 100 MB

There are 88418 paths in a  $7\times7$  grid from the upper-left square to the lower-left square. Each path corresponds to a 48-character description consisting of characters D (down), U (up), L (left) and R (right).

For example, the path:



corresponds to the description:

DRURRRRDDDLUULDDDLDRRURDDLLLLLURULURRUULDLLDDDD.

You are given a description of a path which may also contain characters "?" (any direction). Your task is to calculate the number of paths that match the description.

## Input

The only input line has a 48-character string of characters ?, D, U, L and R.

## Output

Print one integer: the total number of paths.

Sample Input	
??????R?????U?????????????????????LD????D?	
Sample Output	
201	