**ROBOT**

// C++ implementation to find  final position of

// robot after the complete movement

#include <bits/stdc++.h>

using namespace std;

// function to to find  final position of

// robot after the complete movement

void finalPosition(string move)

{

    int l = move.size();

    int countUp = 0, countDown = 0;

    int countLeft = 0, countRight = 0;

    // traverse the instruction string 'move'

    for (int i = 0; i < l; i++) {

        // for each movement increment its

        // respective counter

        if (move[i] == 'U')

            countUp++;

        else if (move[i] == 'D')

            countDown++;

        else if (move[i] == 'L')

            countLeft++;

        else if (move[i] == 'R')

            countRight++;

    }

    // required final position of robot

    cout << "Final Position: ("

         << (countRight - countLeft)

         << ", " << (countUp - countDown)

         << ")" << endl;

}

// Driver program to test above

int main()

{

    string move = "UDDLLRUUUDUURUDDUULLDRRRR";

    finalPosition(move);

    return 0;

}