public class test{

public static int CountCell(String[] commands,int n ){

int cell=0;

for (int i=0; i<commands.length; i++){

if(commands[i]=="right" && (cell%n !=n-1) ){

cell++;

} else if(commands[i]=="left" && (cell%n !=0 )){

cell--;

} else if(commands[i]=="up" && (cell/n !=0 )){

cell-=n;

} else if (commands[i]=="down" && (cell/n !=n-1)){

cell +=n;

}

}

return cell;

}

public static void main(String[] args) {

String[] commands = {"right","right","right","right","right","down"};

System.out.print("Total " + CountCell(commands,4));

}

}