

1

a)

Input

9 9 (m*n matrix)

65 (the sum)

Output

65 DRRRRDRRRRRDDDDDD (one of the possible paths)

Input

9 9 (m*n matrix)

72 (the sum)

Output

72 DRRRRDRRRRRDDDDDD (one of the possible paths)

Input

9 9

90

Output

90 DDDRRRRDRRRRRRDDDD

Input

9 9

110

Output

110 DDDDDDRRRRRRRDR

b)