1

a)

Input

9 9 (m\*n matrix)

65 (the sum)

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Output

65 DRRRRDRRRRDDDDDD (one of the possible paths)

Input

9 9 (m\*n matrix)

72 (the sum)

--------------

Output

72 DDRRRRRDRRRDDDDD (one of the possible paths)

Input

9 9

90

-----------------

Output

90 DDDDRRRDRRRRRDDD

Input

9 9

110

------------------

Output

110 DDDDDDDRRRRRRRDR

b)