74. Search a 2D Matrix

in matrix or false otherwise.

Medium

You are given an $m \times n$ integer matrix matrix with the following two properties:

Each row is sorted in non-decreasing order. The first integer of each row is greater than the last integer of the previous row. Given an integer target, return true if target is

You must write a solution in $O(\log(m * n))$ time complexity.

Example 1

Input: matrix =
[[1,3,5,7],[10,11,16,20],[23,30,34,60]]
target = 3

Output: true

1	3	5	7
10	11	16	20
23	30	34	60

Example 2

Input: matrix =
[[1,3,5,7],[10,11,16,20],[23,30,34,60]]
target = 13

Output: false