class Solution(object):

def searchMatrix(self, matrix, target):

"""

:type matrix: List[List[int]]

:type target: int

:rtype: bool

"""

x, y = len(matrix), len(matrix[0])

i = j = 0

while matrix[i][j]<= target:

if matrix[i][j] == target:

return True

if j == len(matrix[0])-1 and i != len(matrix)-1:

j = 0

i += 1

elif j != len(matrix[0])-1:

j += 1

else:

return False

return False

mid/columns表示中間在第幾行

mid%columns表示中間在第幾個

class Solution:

# @param matrix, a list of lists of integers

# @param target, an integer

# @return a boolean

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def searchMatrix(self, matrix, target):

if not matrix or target is None:

return False

rows, cols = len(matrix), len(matrix[0])

low, high = 0, rows \* cols - 1

while low <= high:

mid = (low + high) / 2

num = matrix[mid / cols][mid % cols]

if num == target:

return True

elif num < target:

low = mid + 1

else:

high = mid - 1

return False