# 74. Search a 2D Matrix

## SOLUTION IN JAVA

class Solution {

public boolean searchMatrix(int[][] matrix, int target) {

if (matrix.length == 0)

return false;

final int m = matrix.length;

final int n = matrix[0].length;

int l = 0;

int r = m \* n;

while (l < r) {

final int mid = (l + r) / 2;

final int i = mid / n;

final int j = mid % n;

if (matrix[i][j] == target)

return true;

if (matrix[i][j] < target)

l = mid + 1;

else

r = mid;

}

return false;

}

}