Part (a)

public void repopulate()

{

for(int r = 0; r < grid.length; r++)

{

for(int c = 0; c < grid[0].length; c++)

{

int num = (int)(Math.random() \* MAX) + 1;

while(num % 10 != 0 || num % 100 == 0)

{

num = (int)(Math.random() \* MAX) + 1;

}

}

}

}

Part (b)

public int countIncreasingCols()

{

int count = 0;

for(int c = 0; c < grid[0].length; c++)

{

for(int r = 0; r < grid.length - 1; r++)

{

int checkForIncreasing = 0;

if(grid[r][c] <= grid[r + 1][c])

{

checkForIncreasing++;

}

if(checkForIncreasing == grid.length - 1)

{

count++;

}

}

}

return count;

}