```
static methods of the ArrayResizer class, which is shown below.
    /** Returns true if and only if every value in row r of array2D is non-zero.
     * Precondition: r is a valid row index in array2D.
     * Postcondition: array2D is unchanged.
    public static boolean isNonZeroRow(int[][] array2D, int r)
    { /* to be implemented in part (a) */ }
    /** Returns the number of rows in array2D that contain all non-zero values.
     * Postcondition: array2D is unchanged
    public static int numNonZeroRows(int[][] array2D)
    { /* implementation not shown */ }
    /** Returns a new, possibly smaller, two-dimensional array that contains only rows
       from array2D with no zeros, as described in part (b).
       Precondition: array2D contains at least one column and at least one row with no zeros.
       Postcondition: array2D is unchanged.
    public static int[][] resize(int[][] array2D)
     { /* to be implemented in part (b) */ }
  a) public static boolean is Non Zero Row (int[][] array 2D, intr) {
               for (int i=0; Karray 2D [0]. length; i++) {
                     if (array 2) [r][i] == 0) {
                         return false;
         return true;
 b) public static int num Non Zero Rows (int[][] arrayaD) {
                int count = 0;
                 for (int i= 0; iz array 2D.length; i++) {
if (is Non Zero Row Carray 2D, i) {
                            count ++;
                return count;
      public static int [][] resize (int[][] array 2D) {
int L][] list Sized = new int [numNbn?erokous (array 2D)][array 2D0][ength];
            INT row = 0;
             for (int i =0; i < array 2D. length; it+) {
                  if (is Non Zero Row Carray 2D, i) }{
                        list Sized [row] = array 2D[i];
                        row++;
             return list Sized;
```

4. This question involves manipulating a two-dimensional array of integers. You will write two