4. This question involves manipulating a two-dimensional array of integers. You will write two
   `static` methods of the `ArrayResizer` class, which is shown below.

```
public class ArrayResizer
{
    /** 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) Write the method `isNonZeroRow`, which returns `true` if and only if all elements in row `r` of a two-dimensional array `array2D` are not equal to zero.

For example, consider the following statement, which initializes a two-dimensional array.

```
int[][] arr = {{2, 1, 0},
               {1, 3, 2},
               {0, 0, 0},
               {4, 5, 6}};
```

Sample calls to `isNonZeroRow` are shown below.

Call to `isNonZeroRow`	Value Returned	Explanation
`ArrayResizer.isNonZeroRow(arr, 0)`	false	At least one value in row 0 is zero.
`ArrayResizer.isNonZeroRow(arr, 1)`	true	All values in row 1 are non-zero.
`ArrayResizer.isNonZeroRow(arr, 2)`	false	At least one value in row 2 is zero.
`ArrayResizer.isNonZeroRow(arr, 3)`	true	All values in row 3 are non-zero.

Complete the `isNonZeroRow` method.

```
/** 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)
```

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GO ON TO THE NEXT PAGE.