```
public class ColorGrid
       private String[][] myPixels; (XDAJC -- Treal(set));
       private int myRows;
       private int myCols;
       * Creates numRows × numCols ColorGrid from String s.
       /**
 * @param s the string containing colors of the ColorGrid
       * @param numRows the number of rows in the ColorGrid
       * @param numCols the number of columns in the ColorGrid
      public ColorGrid(String s, int numRows, int numCols)
      { /* to be implemented in part (a) */ }
 TUDDI : /** -
* Precondition: myPixels[row][col] is oldColor, one of "r",
                       "b", "g", or "y".
                       newColor is one of "r", "b", "g", or "y".
* Postcondition: if 0 <= row < myRows and 0 <= col < myCols,
     locks and add togget ; paints the connected region of a roled around the
                       myPixels[row][col] the newColor.
                       Does nothing if oldColor is the same as
                       newColor.
      * Oparam row the given row
                                           Here is a sample free-response q
       * Oparam col the given column
       * @param coi the given column

* @param newColor the new color for painting
       * @param oldColor the current color of myPixels[row][col]
public void paintRegion(int row, int col, String newColor,
The called pixelishees used being present pixel local (roloOborganishees). The
      { /* to be implemented in part (b) */ }
      //other methods not shown
```

(a) Write the implementation code for the ColorGrid constructor. The constructor should initialize the myPixels matrix of the ColorGrid as follows: The dimensions of myPixels are numRows × numCols. String s contains numRows × numCols characters, where each character is one of the colors of the grid-"r", "g", "b", of "y". The characters are contained in s row by row from top to bottom and left to right. For example, given that numRows is 3, and numCols is 4, if s is "brrygrggyyyr", myPixels should be initialized to be

}

brry grgg The shown below, is used for storing, displaying