Problem 4: Implement the following Java methods that swap element values between two 2D integer arrays of the same size ***int[][] a*** and ***int[][] b***:

1. ***public static void swap(int[][] a, int[][] b, int row, int col)*** – swaps element values from the specified row ***int row*** and column ***int col***;
2. ***public static void swapCol(int[][] a, int[][] b, int col)*** – swaps all element values from the specified column ***int col***;
3. ***public static void swapRow(int[][] a, int[][] b, int row)*** – swaps all element values from the specified row ***int row***. Get s bonus, if ***swapRow()*** performs faster than ***swapCol()***.

1. considering that we have rows and columns. like martix thats must transpose that by swapping the rows to columns and the columns to rows. In order to do that we must give the integer coordinates to do the swap; 2D cooldinates (x_i, y_i) and then swap coordinates to (y_i, x_i)

swapRow() or swapCol() will perform faster depends on the legnth of the column or row

2.

Use the backside, if needed

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