

Lab 5 summary

Exercise 1:

- the exercise can be easily done by using the given pseudocode
- used an aux function for computing a vector with all the neighbors (4 / 8)
- a problem appeared due to the labels matrix overflow – has been solved using an int matrix instead of a uchar matrix
- another problem appeared due to negligence – was updating the label only for a pixel, but not going through its neighbors

Exercise 2:

- used a matrix with only one row (or column) for storing the label color
- going through each pixel, if the label has the color black assigned, a new random color is generated for the label and stored in the one-dimensional matrix

Exercise 3:

- can be easily done by using the given pseudocode and learning from the previous mistakes
- a problem appeared because the vector's size (the one consisting of vectors) was not handled properly