**Project 6 Coin Detection – Part 2 complete**

Name: \_\_Joshua Hsueh\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_3\_\_\_\_\_\_\_\_\_ Date: \_\_4/26/2021\_\_\_\_\_\_\_\_

Did you name your file l062.cpp (Lower case L, then 062)? \_\_\_Yes\_

Did you create the edge matrix? \_\_\_\_\_Yes\_\_\_\_\_\_

Did you create the gradient direction matrix? \_\_\_Yes\_\_\_\_\_\_\_\_

Did you create the imagev.ppm (visual of votes)? \_\_\_\_Yes\_\_\_\_\_\_\_

Did you use Bresenham's line algorithm for voting? \_\_\_\_Yes\_\_\_\_\_\_\_

Does your application create coins.ppm file? \_\_\_Yes\_\_\_\_\_\_\_\_

Does you code display on the screen and in results.txt a summary of your results? \_Yes\_\_\_\_\_\_\_\_

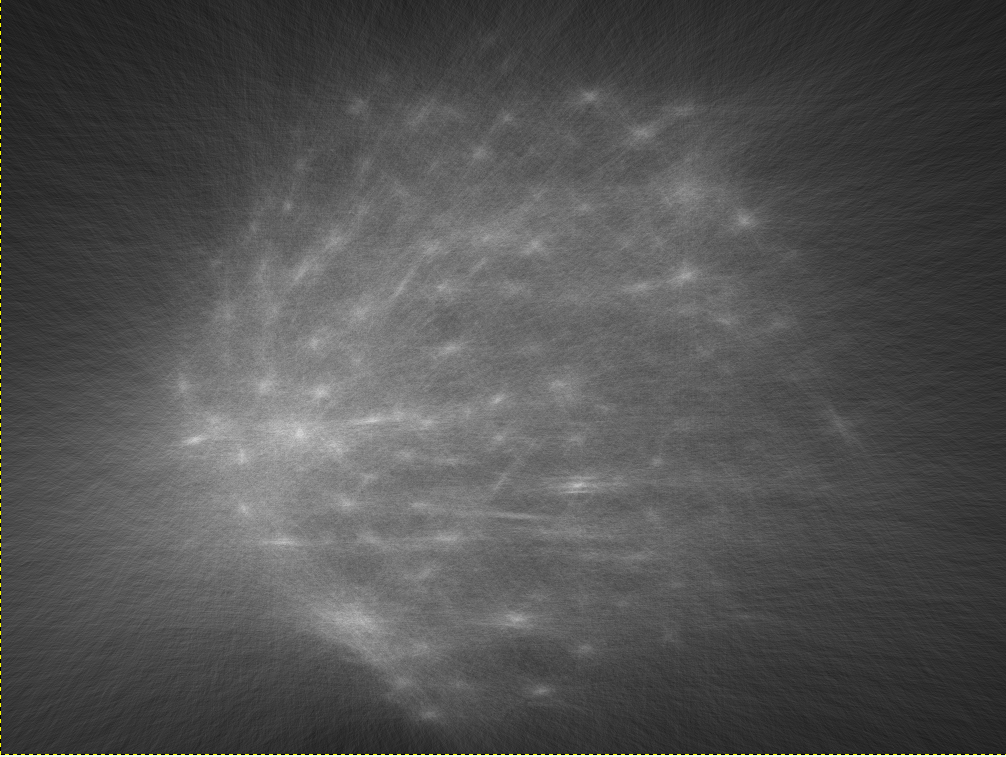
Did you test your code on terminal/gnu linux in c++11? \_\_\_Yes\_\_\_\_\_\_\_\_

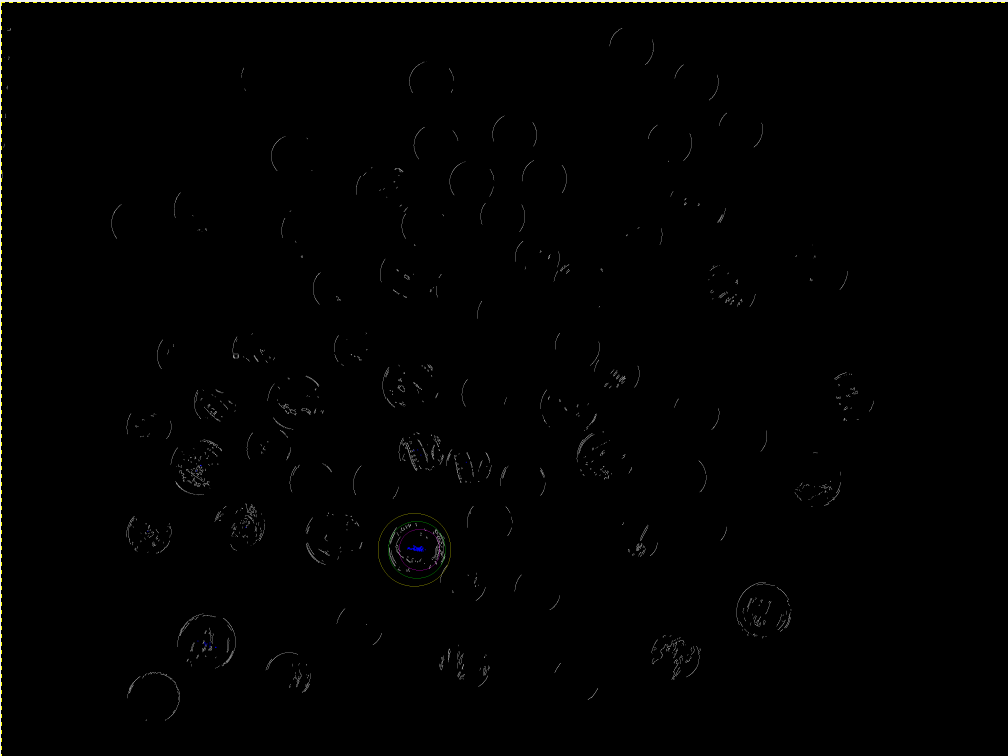
Run your code (the same code you submit) on the 3 images I provided (easy, medium, hard) then paste here the following:

* The initial image ( the one I provided), the imagev.ppm, coins.ppm you obtained running your code, copy paste here the content of your results.txt file your code created

1. For the easy image:

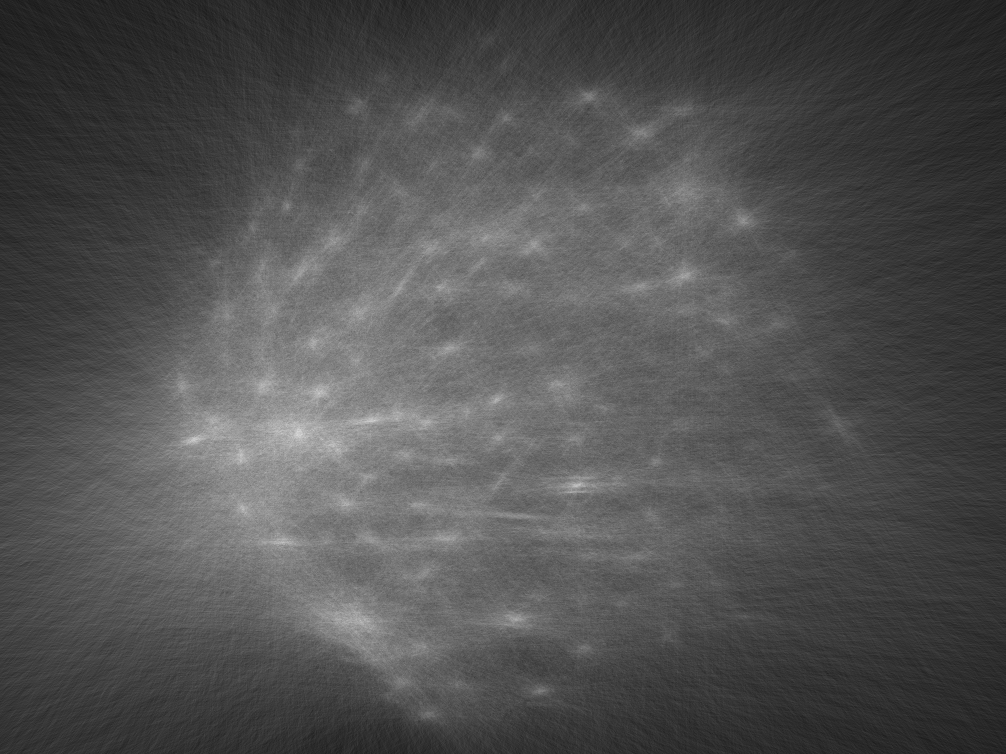


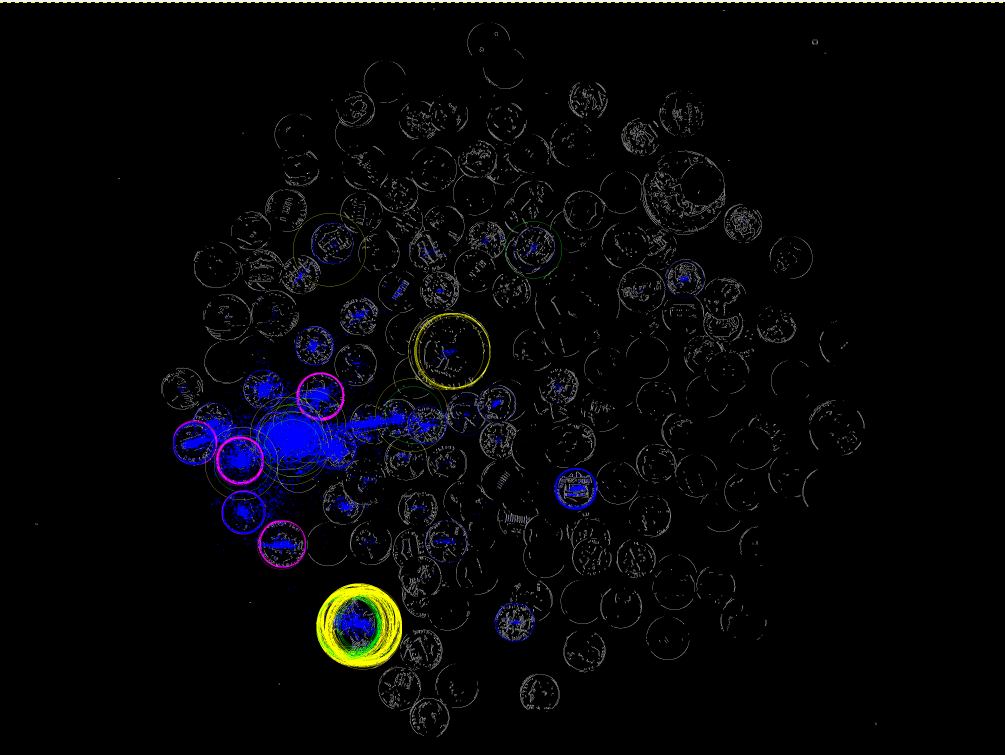




1 silver dollars, 1 quarters, 861 dimes, 1 nickels, and 0 pennies.Total sum: 87.4

1. For the medium image:

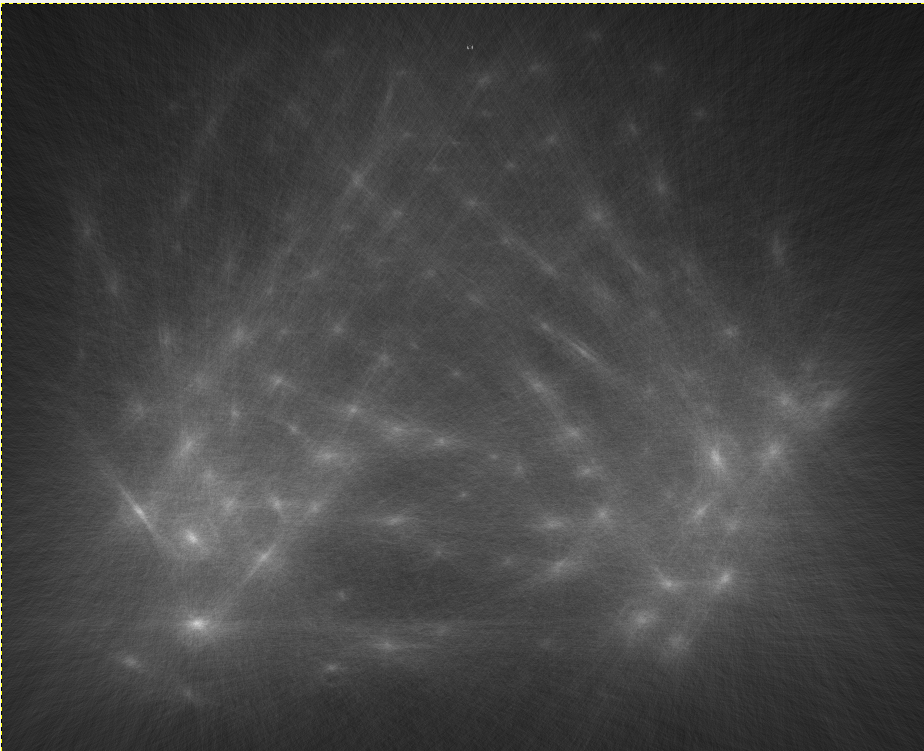


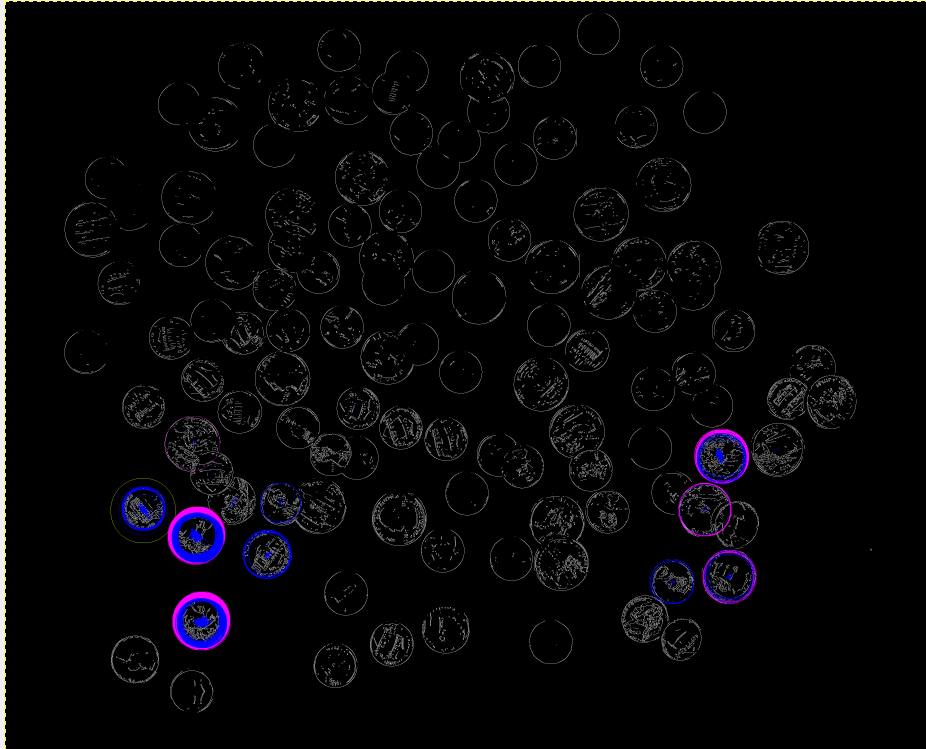


220 silver dollars, 37 quarters, 213436 dimes, 84 nickels, and 56 pennies.Total sum: 21577.6

1. For the hard image







1 silver dollars, 0 quarters, 13435 dimes, 1074 nickels, and 56 pennies.Total sum: 1398.76