

LAB1 PROB5

a.)

i.) Submitted code (lab1_prob5.c)

ii.) Submitted output files with execution times, along with executable. (lab1_prob5_machineoutput.txt, lab1_prob5.exe)

b.)

i.) Saved C code with Problem 3 material and executable (lab1_prob5_wprob3.c, lab1_prob5_wprob3.exe). Saved text file with outputs from original Problem 5 code (with material from Problem 4) and additional code with Problem 3 material (lab1_prob5_output.txt)

ii.) The code in problem 4 is faster than problem 3. In problem 3, it takes more time to declare variable types, while in problem 4, declaring bits is more instant and takes however much time it takes to declare one bit rather than a declaring a variable, defining a variable, if statements, etc.