AP Computer Science	Activity 0825
Dr. Paul Bailey	Thursday, August 25, 2021

Name:

Problem 1. (Data Representation) An eight bit computer stores these bytes:

A = 10100101, B = 00110011, and C = 00000000.

The computer adds ${\tt A}$ to ${\tt B}$ and places the result in ${\tt C}.$

(a) What bit sequence does C contain?

(b) Interpret A, B, and C as unsigned integers; what numbers do they represent?

(c) Interpret A, B, and C as signed integers; what numbers do they represent?

(d) Find the eight bit sequence which represents the negative of C.