AP Computer Science | Activity 0916 | Name:
Dr. Paul Bailey | Thursday, September 16, 2021

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

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

The computer adds `A` to `B` and places the result in `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`.