

CEN214Microprocessors

LabAssignment12

Questions:

1. Write a program that calculate $x^2+bx+c = 0$ equation and save an integer result to 0100:1500h memory address. If the solution is not integer write 00h to corresponding address. All the coefficients in the equation are 8 bits signed integer. Coefficient b and c stored at 0100:1000h, 0100:1001h addresses respectively.
2. Write a program that calculate the parity of value at 2000h address without using Parity Flag (PF). Write 00h or 11h at 1000h address if the result is odd or even parity.