

CPE 221 CLASSWORK 11: MACHINE CODE IN ARM

Student Name (as in Canvas): _____

A Number: _____

Points: 20

1 Identify Instruction Type**(10 Points)**

Determine the instruction type (data-processing, memory, or branch) for the machine code:
0xE5923004

Your Answer

2 Encode SUB Instruction

(10 Points)

Encode the assembly instruction SUB R0, R1, #15 into machine code.

Your Answer