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CPE 224 Lab1 Experiment Report Sheet

Part 1: The observed binary machine codes of the instructions are:

Instruction	opc	rs	rt	rd	sa	fn
li $8,0x3210						
(34083210)	001101	00000	01000	0011001000 01 0000		
li $9,0x76543210						
(3c017654) lui $1, 30292	00 1111	00000	00001	0111011001 010 100		
(34293210) ori $9, $1, 12816	00 1101	00001	01001	0011001000 010 000		
sge $11,$8,$9						
(15280003) bne $9, $8, 12	000101	01001	01000	0000 00000 000 011		
(340b0001) ori $11, $0, 1	001101	00000	01011	0000000000 000 001		
(10000003) beq $0, $0, 12	000100	00000	00000	0000000000 000 011		
(0128582a) slt $11, $9, $8	000000	01001	01000	01011	00000	101010
mul $12,$11,$10						
(716a6002) mul $12, $11, $10	011100	01011	01010	01100	00000	000010
bge $11,$0,infloop						
(0160082a) slt $1, $11, $0	000000	01011	00000	00001	00000	101010
(10200000) beq $1, $0, 0	000 100	00001	00000	0000000000000 000		

Part 2: The observed binary machine codes of the instructions are:

	Instruction	opc	rs	rt	rd	sa	fn
340a0019	li $t2, 25	001101	00000	01010	0000 0000 00011 001		
340d[value]	lw $t3, value	001101	00000	01101	value		
014b6020	add $t4, $t2, $t3	000000	01010	01011	01100	00000	100000
014b6822	sub $t5, $t2, $t3	000000	01010	01011	01101	00000	100010
ac2d0000	sw $t5, Z	101011	00001	01101	0000000000000000		
3402000a	li $v0, 10	001101	00000	00010	00000 0000000010 10		