Control	6	5	4			instr[7:4] control				Team Aardva ECE151A Sp1		
	opcode	9	funct	instruction	type	receives	jctrl	jrctrl	memwrite	memread	memtoreg	ALUop
0	0	0	0	add	R	0000	0	0	0	0	0	1
0	0	0	1	nop		0001	0	0	0	0	0	0
0	0	1	0	nand	R	0010	0	0	0	0	0	1
0	0	1	1	nop		0011	0	0	0	0	0	0
0	1	0	0	slt_0	R	0100	0	0	0	0	0	1
0	1	0	1	slt_1	R	0101	0	0	0	0	0	1
0	1	1	0	sl	R	0110	0	0	0	0	0	1
0	1	1	1	sr	R	0111	0	0	0	0	0	1

JR

lw

SW

addi

jr

beq

nop

jal

nop

Note								
ALU	at 0, returns 1 if inputs are equal (subtract)							

at 'result', the calculated output the immediate value is the amount jumped Jump Instruction from PC (PC relative) \$ra \$ra holds the fixed memory address 10110011 (8bit) which is addressed directly by JR type

n/a

n/a

Team Aardvark ECE151A Sp16

ALUsrc	regwrite
0	1
0	0
0	1
0	0
0	1
0	1
0	1
0	1
1	1
1	1
1	1
0	0
0	0
0	0
0	0
0	0