ALU Operation

S0-S3 Value in Decimal	Operations	
0	NOP	
1	Add	
2	Subtract	
3	Increment	A
4	Decrement	B
5	~A	
6	~B	
7	A << B	
8	A >> B	
9	AND	A&B
10	OR	A| B
11	XOR	A^B
12	XNOR	~(A^B)
13	NAND	~(A & B)
14	NOR	~(A|B)
15	ALL High	