

ALU

A decoder is used to separate the circuitry of all different control instructions received by the CPU.

0000	Decrement
0001	Increment
0010	SLT
0011	SUB
0100	AND
0101	OR
0110	Complement A
0111	XXXX
1000	ADD
1001	NOT
1010	XXXX
1011	XXXX
1100	XXXX
1101	XXXX
1110	XXXX
1111	XXXX

Ex: Decrement (0000). A NOR gate is used.

