

Instruction Opp , Fun	OP	Rd	RgW	B	C_In	RgV	JCP	MR	MW	G_Dt	SlT	J	Dout
0000,000 (add) 0	10	01	1	0	0	1	0	0	0	0	00	0	0
0000,001 (sub) 1	11	01	1	0	1	1	0	0	0	0	00	0	0
0000,010 (and) 2	00	01	1	0	0	1	0	0	0	0	00	0	0
0000,011 (or) 3	01	01	1	0	0	1	0	0	0	0	00	0	0
0000,100 (nor) 4	XX	01	1	0	0	1	0	0	0	0	00	0	0
0000,101 (slt) 5	11	01	1	0	1	1	0	0	0	0	11	0	0
0001,XXX (addi) 6	10	00	1	1	0	1	0	0	0	0	00	0	0
0010,XXX (lw) 7	10	00	1	1	0	0	0	1	0	0	00	0	0
0011,XXX (sw) 8	10	00	0	1	0	1	0	0	1	0	00	0	0
0100,XXX (beq) 9	11	01	0	0	1	1	1	0	0	0	00	0	0
0101,XXX (J) A	10	01	0	0	0	1	0	0	0	0	00	1	0
0110,XXX (DiN) B	XX	10	1	0	0	1	0	0	0	1	XX	0	0
0111,XXX (Dout) C	XX	XX	0	X	0	1	0	0	0	0	XX	0	1
1000,XXX (SII) D	XX	XX	1	1	0	1	0	0	0	0	10	0	0