				sub				d_a ddr	d_a ddr	rea d e	rea d e					wri		mem		t w	sp	hi	lo					ср0
		fun		_fu	sub			_0_	_1_	n_0	n_1				wri	te_		_wr		rit	wri	wri	wri					_re
		c_p		nc_	_fu	${\rm imm}_{-}$	imm_e	buf	buf	_bu	_bu				te_	add	mem	ite	write_mem	e_e	te_	te_	te_			IS_L	cp0_rea	ad_
	op	os	func	pos	nc	pos	xtend	f	f	ff	ff	alu_op	operand_0	operand_1	en	r	_en	_en	_data	n	en	en	en	BRANCH_EN	BRANCH_PC	OAD	d_addr	en
NOP	00001							rx	ry	1	1	X	X	X	0	X	0	X	X	0	0	X	X	0	X	0	X	0
В	00010					10:0	sign	rx	ry	0	0	X	X	X	0	X	0	X	X	0	0	X	X	1	b_pc	0	Х	0
BEQZ	00100					7:0	sign	rx	ry	1	0	X	X	X	0	X	0	X	X	0	0	X	X	reg_0_eq_0	cb_pc	0	Х	0
BNEZ	00101					7:0	sign	rx	ry	1	0	X	X	X	0	X	0	X	X	0	0	X	X	not reg_0_eq_0	cb_pc	0	Х	0
SLL	00110	1:0	00			4:2	shift	rx	ry	0	1	alu_sll	READ_DATA_1	shamt_buff	1	rx	0	X	X	0	0	X	X	0	X	0	X	0
SRA	00110	1:0	11			4:2	shift	rx	ry	0	1	alu_sra	READ_DATA_1	shamt_buff	1	rx	0	X	X	0	0	X	X	0	X	0	Х	0
ADDIU3	01000					3:0	sign	rx	ry	1	0	alu_addu	READ_DATA_0	imm4se	1	ry	0	X	X	0	0	X	X	0	X	0	Х	0
ADDIU	01001					7:0	sign	rx	ry	1	0	alu_addu	READ_DATA_0	imm8se	1	rx	0	X	X	0	0	X	X	0	X	0	Х	0
ADDSP		10:8	011			7:0	sign	rx	ry	0	0	alu_addu	SP	imm8se	0	X	0	X	X	0	1	X	X	0	X	0	Х	0
BTEQZ		10:8	000			7:0	sign	rx	ry	0	0	X	X	X	0	X	0	X	X	0	0	X	X	not T	cb_pc	0	X	0
MTSP		10:8	100					rx	ry	0	1	alu_or	READ_DATA_1	zero_word	0	X	0	X	X	0	1	X	X	0	X	0	Х	0
LI	01101					7:0	zero	rx	ry	0	0	alu_or	zero_word	imm8ze	1	rx	0	X	X	0	0	X	X	0	X	0	Х	0
CMPI	01110					7:0	sign	rx	ry	1	0	alu_cmp	READ_DATA_0	imm8se	1	X	0	X	X	0	0	X	X	0	X	0	X	0
MOVE	01111							rx	ry	0	1	alu_or	READ_DATA_1	zero_word	1	rx	0	X	X	0	0	X	X	0	X	0	X	0
LW_SP	10010					7:0	sign	rx	ry	0	0	alu_addu	SP	imm8se	1	rx	1	0	X	0	0	X	X	0	X	1	X	0
LW	10011					4:0	sign	rx	ry	1	0	alu_addu	READ_DATA_0	imm5se	1	ry	1	0	X	0	0	X	X	0	X	1	Х	0
SW_SP	11010					7:0	sign	rx	ry	1	0	alu_addu	SP	imm8se	0	X	1	1	READ_DATA_0	0	0	X	X	0	X	0	X	0
SW	11011					4:0	sign	rx	ry	1	1	alu_addu	READ_DATA_0	imm5se	0	X	1	1	READ_DATA_1	0	0	X	X	0	X	0	Х	0
ADDU	11100	1:0	01					rx	ry	1	1	alu_addu	READ_DATA_0	READ_DATA_1	1	rz	0	X	X	0	0	X	X	0	X	0	X	0
SUBU	11100	1:0	11					rx	ry	1	1	alu_subu	READ_DATA_0	READ_DATA_1	1	rz	0	X	X	0	0	X	X	0	X	0	X	0
AND	11101	4:0	01100					rx	ry	1	1	alu_and	READ_DATA_0	READ_DATA_1	1	rx	0	X	X	0	0	X	X	0	X	0	X	0
OR	11101	4:0	01101					rx	ry	1	1	alu_or	READ_DATA_0	READ_DATA_1	1	rx	0	X	X	0	0	X	X	0	X	0	X	0
NOT	11101	4:0	01111					rx	ry	0	1	alu_nor	READ_DATA_1	zero_word	1	rx	0	X	X	0	0	X	X	0	X	0	X	0
CMP	11101	4:0	01010	7 -	000			rx	ry	1	1	alu_cmp	READ_DATA_0	READ_DATA_1	0	X	0	X	X	1	0	X	X	0	X DEAD DATA O	0	X	0
JR	11101	4:0	00000		000			rx	ry	1	0	X	X DC	X	0	X	0	X	X	0	0	X	X	1	READ_DATA_0	0	X	0
MFPC	11101	4:0	00000	7:5	010			rx	ry	0	0	alu_or	PC PCAD DATA 1	zero_word	1	rx	0	X	X	0	0	X	X	0	X	0	X	
SLLV	11101	4:0	00100					rx	ry	1	1	alu_sll	READ_DATA_1	READ_DATA_O	1	ry	0	X	X X	0	0	X	X	0	X X	0	X	0
SRAV	111101	4:0	00111					rx	ry	1	1	alu_sra X	READ_DATA_1 X	READ_DATA_0 X	0	ry X	0	X	X	0	0	Х	X	0	X	0	0	0
MTIH MFIH	11110	4:0	00001					rx	ry	1	1	X	X	X	0	X	0	X	X	0	0	X	X	0	X	0	0	1
MFC0	11110	4:0	00000					rx	ry	1	0	X	X	X	0	X	0	X	X	0	0	Х	X	0	X	0	imm 7:5	1
MTCO	11110	4:0	00000					rx	ry	1	0	X	X X	X	0	Λ Y	0	Λ Y	Λ Y	0	0	Λ Υ	Λ Y	0	X	0	imm 7:5	0
MICO	11110	1.0	00001			<u> </u>	I	1 V	1 y	1	U	Λ	Λ	Λ	U	Λ	U	Λ	Λ	U	U	Λ	Λ	U	Λ	U	1.J	U