

# Reporte de practica 13

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## 1. Microinstrucciones

Instrucción	SDMP	UP	DW	WPC	SR <sub>2</sub>	SWD	SEXT	SHE	DIR	WR	SOP <sub>1</sub>
LI	0	0	0	0	0	0	0	0	x	1	0
LWI	0	0	0	0	0	1	0	0	x	1	0
LW	0	0	0	0	0	1	0	0	x	1	0
SWI	0	0	0	0	1	0	0	0	0	0	0
SW	0	0	0	0	1	0	1	0	0	0	0
ADD	0	0	0	0	0	1	0	0	x	1	0
SUB	0	0	0	0	0	1	0	0	x	1	0
ADDI	0	0	0	0	0	1	0	0	x	1	0
SUBI	0	0	0	0	0	1	0	0	x	1	0
AND	0	0	0	0	0	1	0	0	x	1	0
OR	0	0	0	0	0	1	0	0	x	1	0
XOR	0	0	0	0	0	1	0	0	x	1	0
NAND	0	0	0	0	0	1	0	0	x	1	0
NOR	0	0	0	0	0	1	0	0	x	1	0
XNOR	0	0	0	0	0	1	0	0	x	1	0
NOT	0	0	0	0	0	1	0	0	x	1	0
ANDI	0	0	0	0	0	1	0	0	x	1	0
ORI	0	0	0	0	0	1	0	0	x	1	0
XORI	0	0	0	0	0	1	0	0	x	1	0
NANDI	0	0	0	0	0	1	0	0	x	1	0
NORI	0	0	0	0	0	1	0	0	x	1	0
XNORI	0	0	0	0	0	1	0	0	x	1	0
SLL	0	0	0	0	0	0	0	1	1	1	0
SRL	0	0	0	0	0	0	0	1	0	1	0
BEQI	1	0	0	1	0	0	0	0	0	0	1
BNEI	1	0	0	1	0	0	0	0	0	0	1
BLTI	1	0	0	1	0	0	0	0	0	0	1
BLETI	1	0	0	1	0	0	0	0	0	0	1
BGTI	1	0	0	1	0	0	0	0	0	0	1
BGETI	1	0	0	1	0	0	0	0	0	0	1
B	0	0	0	1	0	0	0	0	0	0	0
CALL	0	1	0	1	0	0	0	0	0	0	0
RET	0	0	1	0	0	0	0	0	0	0	0
NOP	0	0	0	0	0	0	0	0	0	0	0

Instrucción	SOP <sub>2</sub>	ALUOP <sub>3</sub>	ALUOP <sub>2</sub>	ALUOP <sub>1</sub>	ALUOP <sub>0</sub>	SDMD	WD	SR	LF
LI	0	0	0	0	0	0	0	0	0
LWI	0	0	0	0	0	1	0	0	0
LW	1	0	0	1	1	0	0	0	1
SWI	0	0	0	0	0	1	1	0	0
SW	1	0	0	1	1	0	1	0	0
ADD	0	0	0	1	1	0	0	1	1
SUB	0	0	1	1	1	0	0	1	1
ADDI	1	0	0	1	1	0	0	1	1
SUBI	1	0	1	1	1	0	0	1	1
AND	0	0	0	0	0	0	0	1	1
OR	0	0	0	0	1	0	0	1	1
XOR	0	0	0	1	0	0	0	1	1
NAND	0	1	1	0	1	0	0	1	1
NOR	0	1	1	0	0	0	0	1	1
XNOR	0	1	0	1	0	0	0	1	1
NOT	0	1	1	0	1	0	0	1	1
ANDI	1	0	0	0	0	0	0	1	1
ORI	1	0	0	0	1	0	0	1	1
XORI	1	0	0	1	0	0	0	1	1
NANDI	1	1	1	0	1	0	0	1	1
NORI	1	1	1	0	0	0	0	1	1
XNORI	1	1	0	1	0	0	0	1	1
SLL	0	0	0	0	0	0	0	0	0
SRL	0	0	0	0	0	0	0	0	0
BEQI	1	0	0	1	1	0	0	1	1
BNEI	1	0	0	1	1	0	0	1	1
BLTI	1	0	0	1	1	0	0	1	1
BLETI	1	0	0	1	1	0	0	1	1
BGTI	1	0	0	1	1	0	0	1	1
BGETI	1	0	0	1	1	0	0	1	1
B	0	0	0	0	0	0	0	0	0
CALL	0	0	0	0	0	0	0	0	0
RET	0	0	0	0	0	0	0	0	0
NOP	0	0	0	0	0	0	0	0	0