

Arquitectura de Computadoras I - Instrucciones con sus correspondientes micro-instrucciones.

	Instrucciones	Micro-instrucciones	Acciones
Instrucciones de 1 Byte	CLR CY	NEW OPERATION	IR = R(PC) PC = PC + 1 CY = 0
	CPL CY	NEW OPERATION	IR = R(PC) PC = PC + 1 CY = NOT CY
	RET	NEW OPERATION	IR = R(PC) PC = PC + 1 SP = SP + 1 PC = R(SP)
	NOOP	NEW OPERATION	IR = R(PC) PC = PC + 1 NOOP
Instrucciones de 2 Bytes	CPL Ri	NEW DATA OPERATION	IR = R(PC) PC = PC + 1 AD = R(PC) PC = PC + 1 R(AD) = NOT R(AD)
	CLR Ri	NEW DATA OPERATION	IR = R(PC) PC = PC + 1 AD = R(PC) PC = PC + 1 R(AD) = 0
	IN Ri	NEW DATA OPERATION	IR = R(PC) PC = PC + 1 AD = R(PC) PC = PC + 1 R(AD) = P
	OUT Ri	NEW DATA OPERATION	IR = R(PC) PC = PC + 1 AD = R(PC) PC = PC + 1 P = R(AD)

	Instrucciones	Micro-instrucciones	Acciones
Instrucciones de 2 Bytes	JUMP i	NEW	IR = R(PC) PC = PC + 1
		SAVE	R(SP) = PC + 1 SP = SP - 1
		JUMP	PC = R(PC)
	JC i	NEW	IR = R(PC) PC = PC + 1
		SAVE	R(SP) = PC + 1 SP = SP - 1
		JUMP	IF CY = 1 PC = R(PC) ELSE PC = PC + 1
CALL i	NEW	IR = R(PC) PC = PC + 1	
	SAVE	R(SP) = PC + 1 SP = SP - 1	
	JUMP	PC = R(PC)	
Instrucciones de 3 Bytes	ADD Ri ,Rj	NEW	IR = R(PC) PC = PC + 1
		DATA	AD = R(PC) PC = PC + 1
		LOAD	ACC = R(PC)
		DATA	AD = R(PC) PC = PC + 1
		OPERATION	R(AD) = ACC + R(AD)
	AND Ri ,Rj	NEW	IR = R(PC) PC = PC + 1
	DATA	AD = R(PC) PC = PC + 1	
	LOAD	ACC = R(PC)	
	DATA	AD = R(PC) PC = PC + 1	
	OPERATION	R(AD) = ACC ^ R(AD)	

	Instrucciones	Micro-instrucciones	Acciones
Instrucciones de 3 Bytes	OR Ri ,Rj	NEW DATA LOAD DATA OPERATION	IR = R(PC) PC = PC + 1 AD = R(PC) PC = PC + 1 ACC = R(PC) AD = R(PC) PC = PC + 1 R(AD) = ACC V R(AD)
	JZ Ri ,j	NEW DATA CONDITION JUMP	IR = R(PC) PC = PC + 1 AD = R(PC) PC = PC + 1 Z = NOR R(AD) IF Z=1 PC = R(PC) ELSE PC = PC + 1
	MOV Ri ,Rj	NEW DATA LOAD DATA OPERATION	IR = R(PC) PC = PC + 1 AD = R(PC) PC = PC + 1 ACC = R(AD) AD = R(PC) PC = PC + 1 R(AD) = ACC
	MOV Ri ,j	NEW INMEDIATE LOAD DATA OPERATION	IR = R(PC) PC = PC + 1 AD = PC PC = PC + 1 ACC = R(AD) AD = R(PC) PC = PC + 1 R(AD) = ACC