Green sheet ISA Pipeline CPU

				System	
	Id			Null	
	Type	Op	Null	Null	
31:30 29:28 27:26		27:26	25:0		
NOP	00	00	00	000000000000000000000000000000000000000	
COM	00	01	00	00000000000000000000000	
END	00	10	00	000000000000000000000000000000000000000	

		Id		Registers			Null
	Type	Ор		RD	RA	RB	Null
	31:30	29:27	26	25:22	21:18	17:14	13:0
ADD	01	000	0	Destino	Operando 1	Operando 2	00000000000000
SUB	01	001	0	Destino	Operando 1	Operando 2	00000000000000
AND	01	010	0	Destino	Operando 1	Operando 2	00000000000000
OR	01	011	0	Destino	Operando 1	Operando 2	0000000000000
MOV	01	100	0	Destino	0000	Operando 2	00000000000000
MUL	01	101	0	Destino	Operando 1	Operando 2	00000000000000
CMP	01	110	0	0000	Operando 1	Operando 2	00000000000000
Disponible	01	111	0	Destino	Operando 1	Operando 2	00000000000000

	Data register-immediate							
		Id		Registers				
	Tipo	Ор	ı	RD	RD RA Immediate			
	31:30	29:27	26	25:22	21:18	17:0		
ADDI	01	000	1	Destino	Operando 1	Imm = Operando 2		
SUBI	01	001	1	Destino	Operando 1	Imm = Operando 2		
ANDI	01	010	1	Destino	Operando 1	lmm = Operando 2		
ORI	01	011	1	Destino	Operando 1	lmm = Operando 2		
MOV	01	100	1	Destino	0000	lmm = Operando 1		
MUL	01	101	1	Destino	Operando 1	Imm = Operando 2		
CMPI	01	110	1	0000	Operando 1	Imm = Operando 2		
Disponible	01	111	1	Destino	Operando 1	Imm = Operando 2		

			Memoria							
			Id		Addressing					
Туре		Op	Null	RD	RA	Immediate				
		31:30	29	28:26	25:22	21:18	17:0			
	LDR	10	0	000	RD = MEM[RA + IMM]	RA = Mem dir	Imm = offset			
	STR	10	1	000	MEM[RA + Imm] = RD	RA = Mem dir	Imm = offset			

	Control							
	Id			Nedl	Instruction number			
	Type	Ор	Null	Null	Immediate			
	31:30	29	28:26	25:18	17:0			
JMP	11	0	000	0000000	Imm = # salto			
JEQ	11	1	000	0000000	Imm = # salto			