## Green sheet ISA Pipeline CPU

					System	
		Id			Noll	
		Type	Ор	Null	Null	
		31:30	29:28	27:26	25:0	
N	IOP	00	00	00	000000000000000000000000000000000000000	
C	ОМ	00	01	00	000000000000000000000000000000000000000	
E	ND	00	10	00	000000000000000000000000000000000000000	

	ld			Registers			Null
	Type Op I			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	00000000000000
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	000000000000000
Disponible	01	111	0	Destino	Operando 1	Operando 2	00000000000000

	Data register-immediate								
		Id		Registers					
	Tipo Op I			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	Imm = 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	lmm = Operando 2			
Disponible	01	111	1	Destino	Operando 1	Imm = Operando 2			

		Memoria							
		Id		Addressing					
	Type 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						
	ld			Null	Instruction number		
	Type	Op	Null	Null	Immediate		
	31:30	29:28	27:26	25:18	17:0		
JMP	11	00	00	0000000	Imm = # salto		
JEQ	11	01	00	0000000	Imm = # salto		
JLT	11	10	00	0000000	Imm = # salto		
<b>Disponible</b>	<b>11 11</b> 00		00	0000000	Imm = # salto		