Green sheet ISA Pipeline CPU

	System			
	Id			Null
	Type	Op	Null	
	31:30	29:28	27:26	25:0
NOP	00	00	00	00000000000000000000000000
COM	00	01	00	00000000000000000000000000
END	00	10	00	00000000000000000000000000

	Data register-register						
	Id			Registers			Null
	Type	Op	I	RD	RA	RB	
	31:30	29:27	26	25:22	21:18	17:14	13:0
ADD	01	000	0	xxxx	xxxx	xxxx	00000000000000
SUB	01	001	0	xxxx	xxxx	xxxx	00000000000000
AND	01	010	0	xxxx	xxxx	xxxx	00000000000000
OR	01	011	0	xxxx	xxxx	xxxx	00000000000000
MOV	01	100	0	xxxx	0000	xxxx	00000000000000
MUL	01	101	0	xxxx	xxxx	xxxx	00000000000000
CMP	01	110	0	0000	xxxx	xxxx	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	xxxx	xxxx	xxxxxxxxxxxxxxxxx
SUBI	01	001	1	xxxx	xxxx	xxxxxxxxxxxxxxxxx
ANDI	01	010	1	xxxx	xxxx	xxxxxxxxxxxxxxxxx
ORI	01	011	1	xxxx	xxxx	xxxxxxxxxxxxxxxxx
MOV	01	100	1	xxxx	0000	xxxxxxxxxxxxxxxxx
MUL	01	101	1	xxxx	xxxx	xxxxxxxxxxxxxxxxx
CMPI	01	110	1	0000	xxxx	xxxxxxxxxxxxxxxxx

	Memoria					
	Id			Addressing		
	Type	Op	Null	RD	RA	Immediate
	31:30	29	28:26	25:22	21:18	17:0
LDR	10	0	000	xxxx	xxxx	xxxxxxxxxxxxxxxxx
STR	10	1	000	xxxx	xxxx	xxxxxxxxxxxxxxxxx

	Control				
	Id			Null	Instruction number
	Type	Op	Null		Immediate
	31:30	29	28:26	25:18	17:0
JMP	11	0	000	00000000	xxxxxxxxxxxxxxxxx
JEQ	11	1	000	00000000	xxxxxxxxxxxxxxxxx