	Cod. Operação	Reg. a	Reg. b	Reg. c	Const															
	4bits	4bits	4bits	4bits	16 bits					OI	PCODE									
NOP	0000	0000	0000	0000	0000					NOP	0000									
Add	0001	0010	0011	0001	0000					Add	0001									
Sub	0010	0011	0100	0010						Sub	0010									
And	0011									And	0011									
Or	0100									Or	0100									
Xor	0101									Xor	0101									
Not	0110									Not	0110									
SII	0111									SII	0111									
Srl	1000									Srl	1000									
Ori	1001									Ori	1001									
Xori	1010									Xori	1010									
Addi	1011									Addi	1011									
Show	1100									Show	1100									
Jump	1101									Jump	1101	1								
Branch	1110									Branch	1110									
Halt	1111									Halt	1111									
											#assembly cod	le	# r0 = 0000	# r6 = 0110						
											# N = r1		#r1 = 0001	# r7 = 0111						
											# first = r2			# r8 = 1000						
											# next = r3			# r9 = 1001						
											# second = r4		# r4 = 0100							
			ela de Memória (_	# i = r5		# r5 = 0101							
NOP	Write		u/a branch IP_mux halt SelS Show Bin Hex Tabela de Memória CONTROLE 000 0									T								
Add	0		0	0	0	0	0		100	_	OP CODE dez	+	Desistant design		Desister design	0	Hex	Assembly		
Sub	1	000					0	100000000		_			Registrador a	Registrador b	Registrador c	Constante		L		
And		001	0	0	0	0	0	100100000	120	_	SOMA SIMPLES	••••••				000000000000000000000000000000000000000		·· ː		
Or	1 1		_				0	101000000				0000	0000	0000	0000	{	0			
Xor	1 1	100	0	0	0	0	0	101100000	352 180	+	ADDi ADDi	1011	0000	0000	0001	0000000000000011	B0010003			
Not	_				_								0000	0000	0010	00000000000000010	B0020002			
SII	1	101	0	0	0	0	0	110100000	1A0	_	ADD	0001 1100	0001 0011	0010	0011	00000000000000000	11230000 C3000000			
Srl	1	110	0	0	0	0	0	111000000	1C0		SHOW	1100	0011		bi.asm	000000000000000000000000000000000000000	C3000000			
Ori	1 1	111	0	0	0	0	0	111100000	1E0	_	OP CODE dez	1		Binario	UI.dSIII		Hex	Assembly		
Xori		011		0			0	101100010	162	_		_								
Addi	1 1	100	0	0	0	1	0	110000010	182	_	1 SHOW	1100	0000	0000	0000	00000000000000000	C0000000 B0010000	inicializa o shov		
Show		000	0	0	0		0	100000010	102	_	2 ADDi	1011	0000	0000	0001	000000000000000000000000000000000000000	B0020000		#Defina N como o número desejado de termos da sequência Fibonacci	1
	0	000	0	0	0	0	0	000000001	1	_	3 ADDi	1011	0000	0000	0010	000000000000000000000000000000000000000	B0020000 B0030000		#Inicializa first	
Jump			0	1	0	0		000001000	8	_	4 ADDi		0000	0000	0011				#Inicializa next	
Branch	1	001	1	1	0	0	0	100111000	138	-	5 ADDi	1011	0000	0000	0100	0000000000000001	B0040001		#Inicializa Second	
Halt	0	000	0	1	1 1	0	0	000001100	С	_	6 ADD 7 BRANCH	0001 1110	0001	0000	0101	00000000000000000000000000000000000000	11050000	add r1 r0 r5	#Inicializa i= N	
											8 SHOW	1110	0000	0101	0000	pula linha 14 0000000000000000000	C0000000	show r1	#Show N	
											9 ADD	0001	0010	0100	0000	000000000000000000000000000000000000000	12430000	add r2 r4 r3	#next = first + second;	
											10 ADD	0001	0000	0100	0010	000000000000000000000000000000000000000	10420000	add r0 r4 r2	#first = second:	
											11 ADD	0001	0000	0011	0100	000000000000000000000000000000000000000	10340000	add r0 r3 r4	#second = next;	
												1 0001	0000	1 0011						
											12 SUR	0010	0000	nnnn	0101	00000000000000001	20050001	euhi r0 r0 r5 -1	# i = i_1:	
											12 SUB 13 JUMP	0010 1101	0000	0000	0101	00000000000000000000000000000000000000	20050001	subi r0 r0 r5 -1	# i = i-1;	