ANEXO I

	endereço	instrução		
0	0000000000	**var a = 10**		
1	0000000001	var b = 5		
2	0000000010	var c = 3		
3	0000000011	var d = 1		
4	0000000100	**var v[0] = 11**		
5	0000000101	var v[1] = 12		
6	0000000110	var v[2] = 13		
7	0000000111	var v[3] = 14		
8	0000001000	var v[4] = 15		
9	0000001001	var v[5] = 16		
10	0000001010	var v[6] = 17		
11	0000001011	var v[7] = 18		
12	0000001100	var v[8] = 19		
13	0000001101	var v[9] = 20		
14	0000001110	**var v1[0] = 11**		
15	0000001111	var v1[1] = 12		
16	0000010000	var v1[2] = 13		
17	0000010001	var v1[3] = 14		
18	0000010010	var v1[4] = 15		
19	0000010011	var v1[5] = 16		
20	0000010100	var v1[6] = 17		
21	0000010101	var v1[7] = 18		
22	0000010110	var v1[8] = 19		
23	0000010111	var v1[9] = 20		
24	0000011000	var soma1 = ?		
25	0000011001	var soma2 = ?		
26	0000011010	var soma3 = ?		
27	0000011011	var soma4 = ?		
28	0000011100	var soma5 = ?		
29	0000011101	**add R6, RB, $0**	**Label1:**	**BeginFunction**
30	0000011110	add R6, R6, $4		
31	0000011111	and R4, R4, $0		
32	0000100000	and R5, R5, $0		
33	0000100001	lw R1,0(R6)	ForLabel1:	
34	0000100010	add R5, R1, R5		
35	0000100011	add R4, R4, $1		
36	0000100100	add R6, R6, $1		
37	0000100101	add R8, RB, $0		
38	0000100110	add R8, R8, $24		soma 1

39	0000100111	sw R5,0(R8)		
40	0000101000	and R2,R2,$0		
41	0000101001	add R2,R2,$10		
42	0000101010	beq R4, R2, Label7		
43	0000101011	jump ForLabel1		**EndFunction**
44	0000101100	**add R6, RB, $14**	Label2:	**BeginFunction**
45	0000101101	and R4, R4, $0		
46	0000101110	and R5, R5, $0		
47	0000101111	lw R1,0(R6)	ForLabel2:	
48	0000110000	add R5, R1, R5		
49	0000110001	add R4, R4, $1		
50	0000110010	add R6, R6, $1		
51	0000110011	add R8, RB, $0		
52	0000110100	add R8, R8, $25		soma 2
53	0000110101	sw R5,0(R8)		
54	0000110110	and R2,R2,$0		
55	0000110111	add R2,R2,$10		
56	0000111000	beq R4, R2, Label8		
57	0000111001	jump Label2For		**EndFunction**
58	0000111010	**add R6, RB, $0**	**Label3:**	**BeginFunction**
59	0000111011	add R7, RB, $0		
60	0000111100	add R6, R6, $4		
61	0000111101	add R7, R7, $14		
62	0000111110	and R4, R4, $0		
63	0000111111	and R5, R5, $0		
64	0001000000	lw R1,0(R6)	ForLabel3:	
65	0001000001	lw R2,0(R7)		
66	0001000010	add R4, R1, R4		
67	0001000011	add R4, R2, R4		
68	0001000100	add R6, R6, $1		
69	0001000101	add R7, R7, $1		
70	0001000110	add R5, R5, $1		
71	0001000111	add R8, RB, $0		
72	0001001000	add R8, R8, $26		soma 3
73	0001001001	sw R4,0(R8)		
74	0001001010	and R3,R3,$0		
75	0001001011	add R3,R3,$10		
76	0001001100	beq R5, R3, Label9		
77	0001001101	jump ForLabel3		**EndFunction**
78	0001001110	**add R6, RB, $0**	**Label4:**	**BeginFunction**
79	0001001111	add R6, R6, $4		
80	0001010000	and R4, R4, $0		

81	0001010001	and R5, R5, $0		
82	0001010010	lw R1,0(R6)	ForLabel4:	
83	0001010011	add R5, R1, R5		
84	0001010100	add R4, R4, $2		
85	0001010101	add R6, R6, $2		
86	0001010110	add R8, RB, $0		
87	0001010111	add R8, R8, $27		soma 4
88	0001011000	sw R5,0(R8)		
89	0001011001	and R3,R3,$0		
90	0001011010	add R3,R3,$10		
91	0001011011	beq R4, R3, Label10		
92	0001011100	jump ForLabel4		**EndFunction**
93	0001011101	**add R6, RB, $14**	**Label5:**	**BeginFunction**
94	0001011110	add R6, R6, $4		
95	0001011111	and R4, R4, $0		
96	0001100000	and R5, R5, $0		
97	0001100001	lw R1,0(R6)	ForLabel5:	
98	0001100010	add R5, R1, R5		
99	0001100011	add R4, R4, $2		
100	0001100100	add R6, R6, $2		
101	0001100101	add R8, RB, $0		
102	0001100110	add R8, R8, $28		soma 5
103	0001100111	sw R5,0(R8)		
104	0001101000	and R3,R3,$0		
105	0001101001	add R3,R3,$10		
106	0001101010	beq R4, R3, Label11		
107	0001101011	jump ForLabel5		**EndFunction**
108	0001101100	**lw R1,0(RB)**	main()	**BeginFunction**
109	0001101101	lw R2,1(RB)		
110	0001101110	add R3, R1, R2		
111	0001101111	and R4, R1, R2		
112	0001110000	lw R1,2(RB)		
113	0001110001	lw R2,3(RB)		
114	0001110010	add R3, R1, R2		
115	0001110011	jmp Label1		
116	0001110100	jmp Label2		Label7
117	0001110101	jmp Label3		Label8
118	0001110110	jmp Label4		Label9
119	0001110111	jmp Label5		Label10
120	0001111000	lw R1,0(RB)		Label11
121	0001111001	lw R2,1(RB)		
122	0001111010	add R3, R1, R2		

123	0001111011	and R4, R1, R2		
124	0001111100	lw R1,2(RB)		
125	0001111101	lw R2,3(RB)		
126	0001111110	add R3, R1, R2		
127	0001111111	0	NULL	**EndFunction**