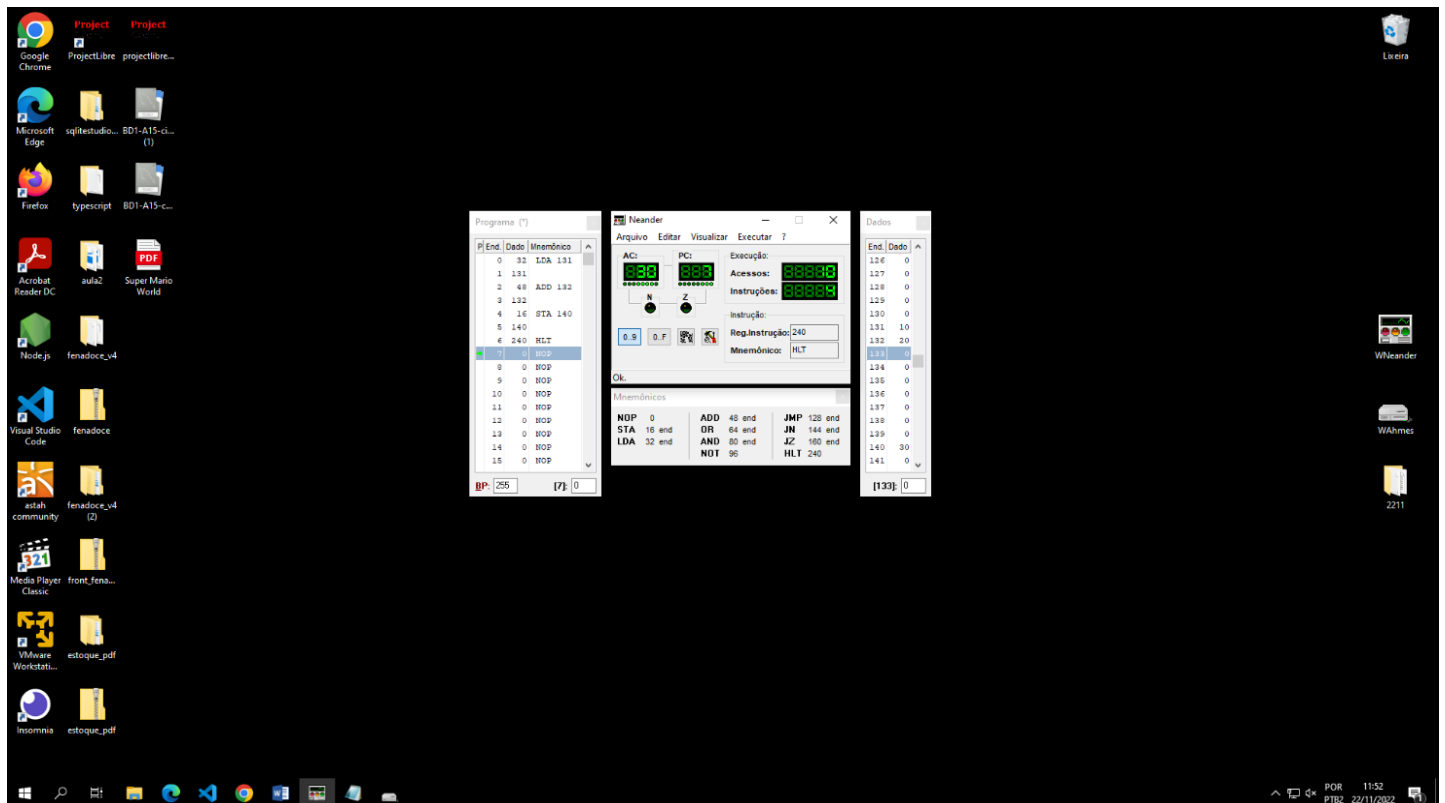




Atividade Avaliativa S16 – Neander e Ahmes

1. Soma



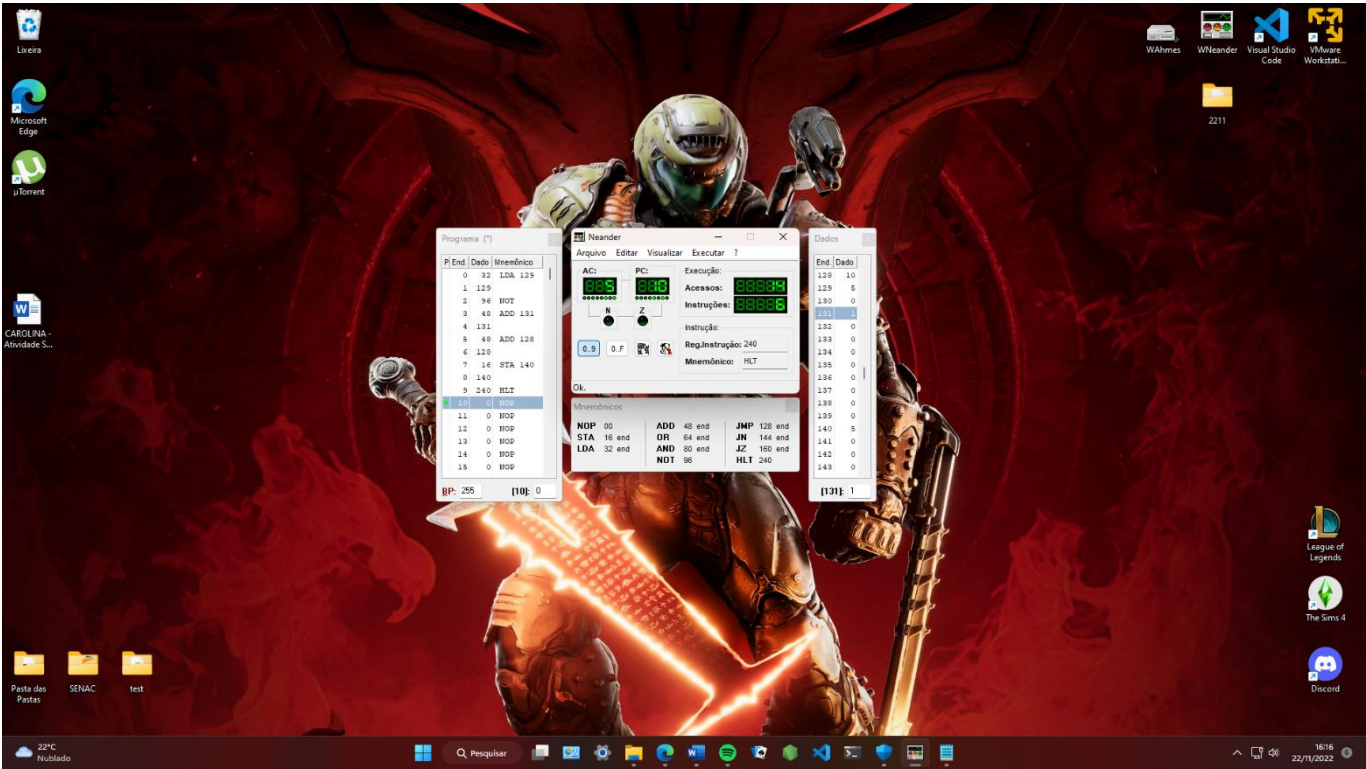
Programa (*)			
P	End.	Dado	Mnemônico
	0	32	LDA 131
	1	131	
	2	48	ADD 132
	3	132	
	4	16	STA 140
	5	140	
	6	240	HLT
→	7	0	NOP
	8	0	NOP
	9	0	NOP
	10	0	NOP
	11	0	NOP
	12	0	NOP
	13	0	NOP
	14	0	NOP
	15	0	NOP

BP: 255 [7]: 0

Dados	
End.	Dado
126	0
127	0
128	0
129	0
130	0
131	10
132	20
133	0
134	0
135	0
136	0
137	0
138	0
139	0
140	30
141	0

[133]: 0

2. Subtração



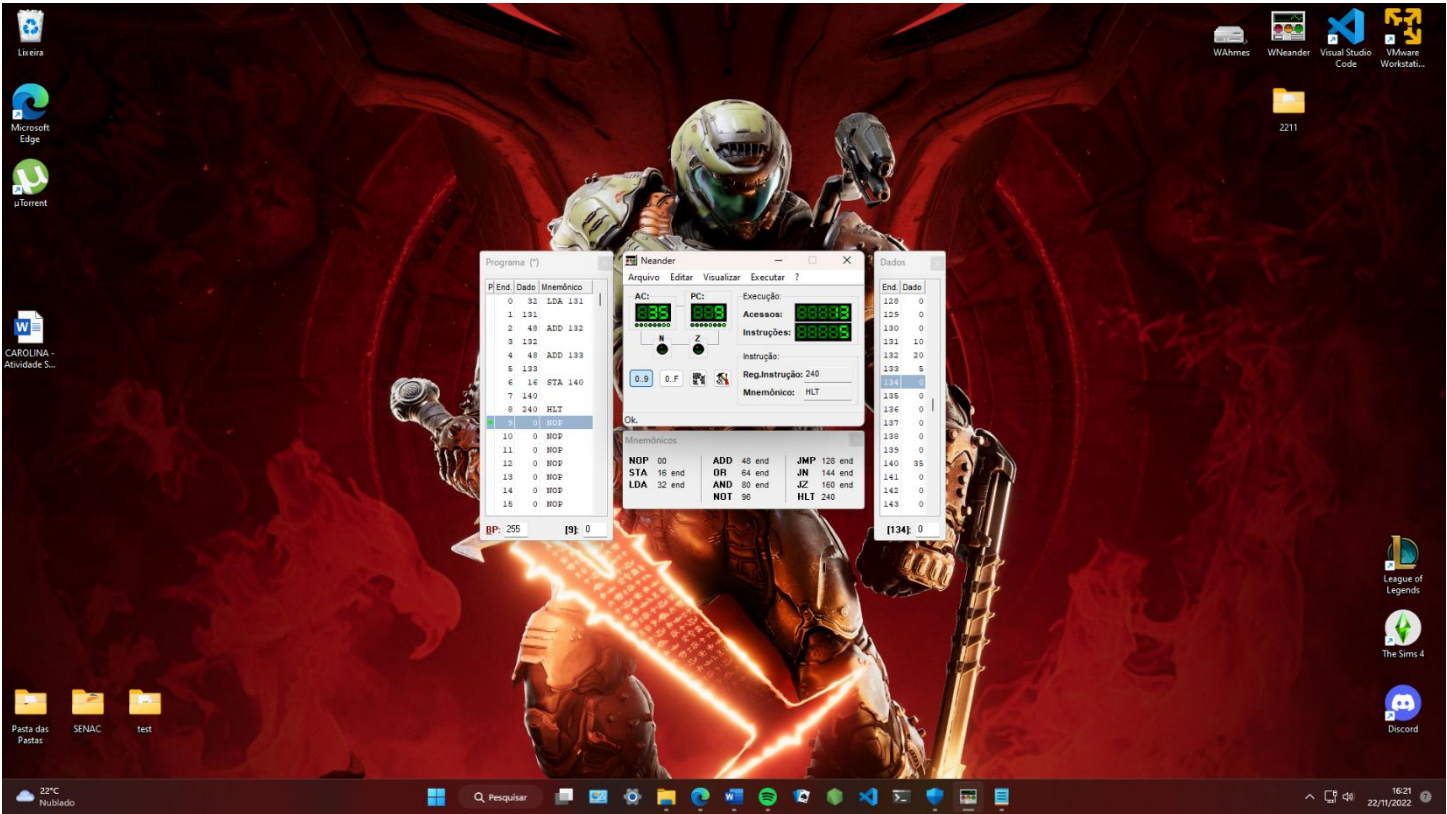
Programa (*)			
P	End.	Dado	Mnemônico
	0	32	LDA 129
	1	129	
	2	96	NOT
	3	48	ADD 131
	4	131	
	5	48	ADD 128
	6	128	
	7	16	STA 140
	8	140	
	9	240	HLT
→	10	0	NOP
	11	0	NOP
	12	0	NOP
	13	0	NOP
	14	0	NOP
	15	0	NOP

BP: 255 [10]: 0

Dados	
End.	Dado
128	10
129	5
130	0
131	1
132	0
133	0
134	0
135	0
136	0
137	0
138	0
139	0
140	5
141	0
142	0
143	0

[131]: 1

3. Soma Trio



Programa (*)			
P	End.	Dado	Mnemônico
	0	32	LDA 131
	1	131	
	2	48	ADD 132
	3	132	
	4	48	ADD 133
	5	133	
	6	16	STA 140
	7	140	
	8	240	HLT
	9	0	NOP
	10	0	NOP
	11	0	NOP
	12	0	NOP
	13	0	NOP
	14	0	NOP
	15	0	NOP

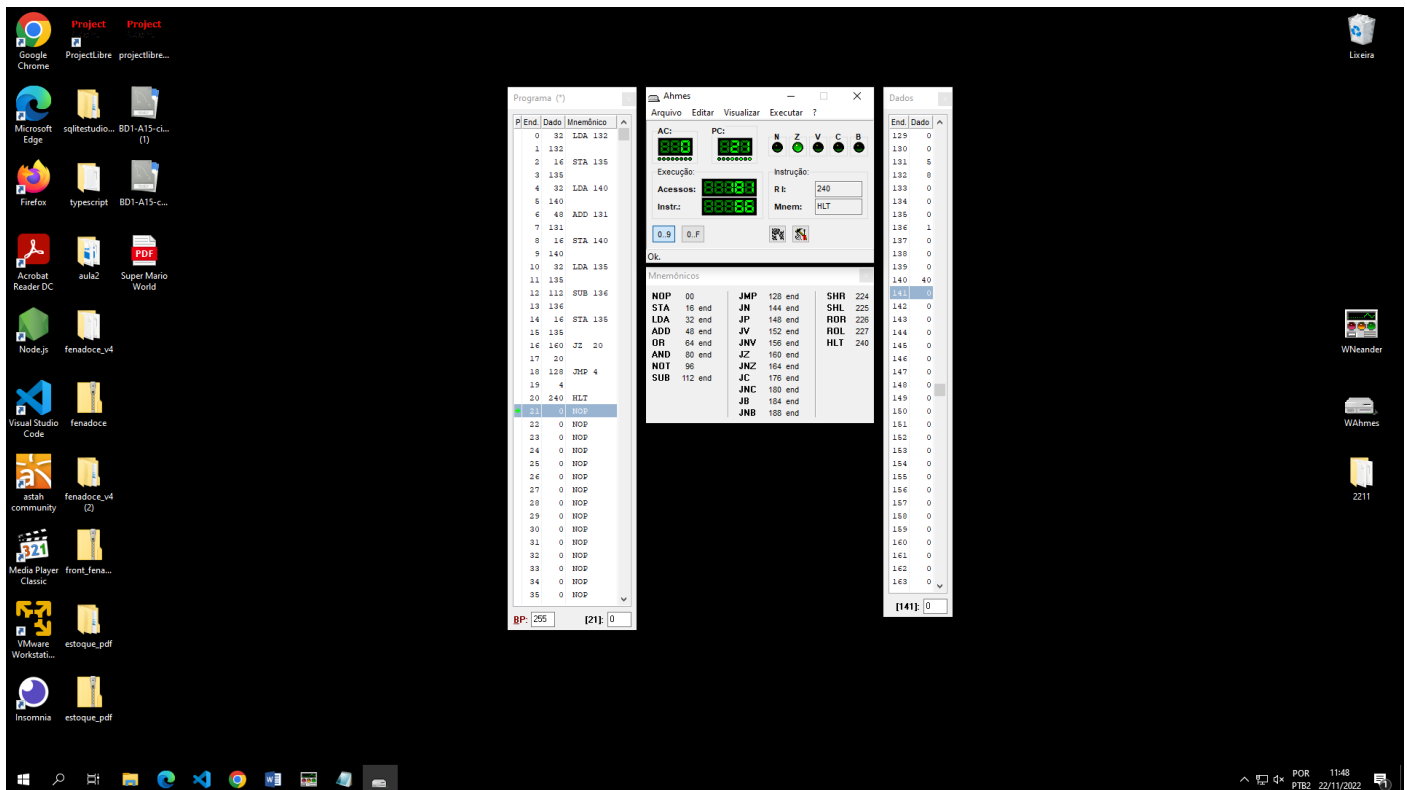
BP: 255

[9]: 0

Dados	
End.	Dado
128	0
129	0
130	0
131	10
132	20
133	5
134	0
135	0
136	0
137	0
138	0
139	0
140	35
141	0
142	0
143	0

[134]: 0

4. Multiplicação

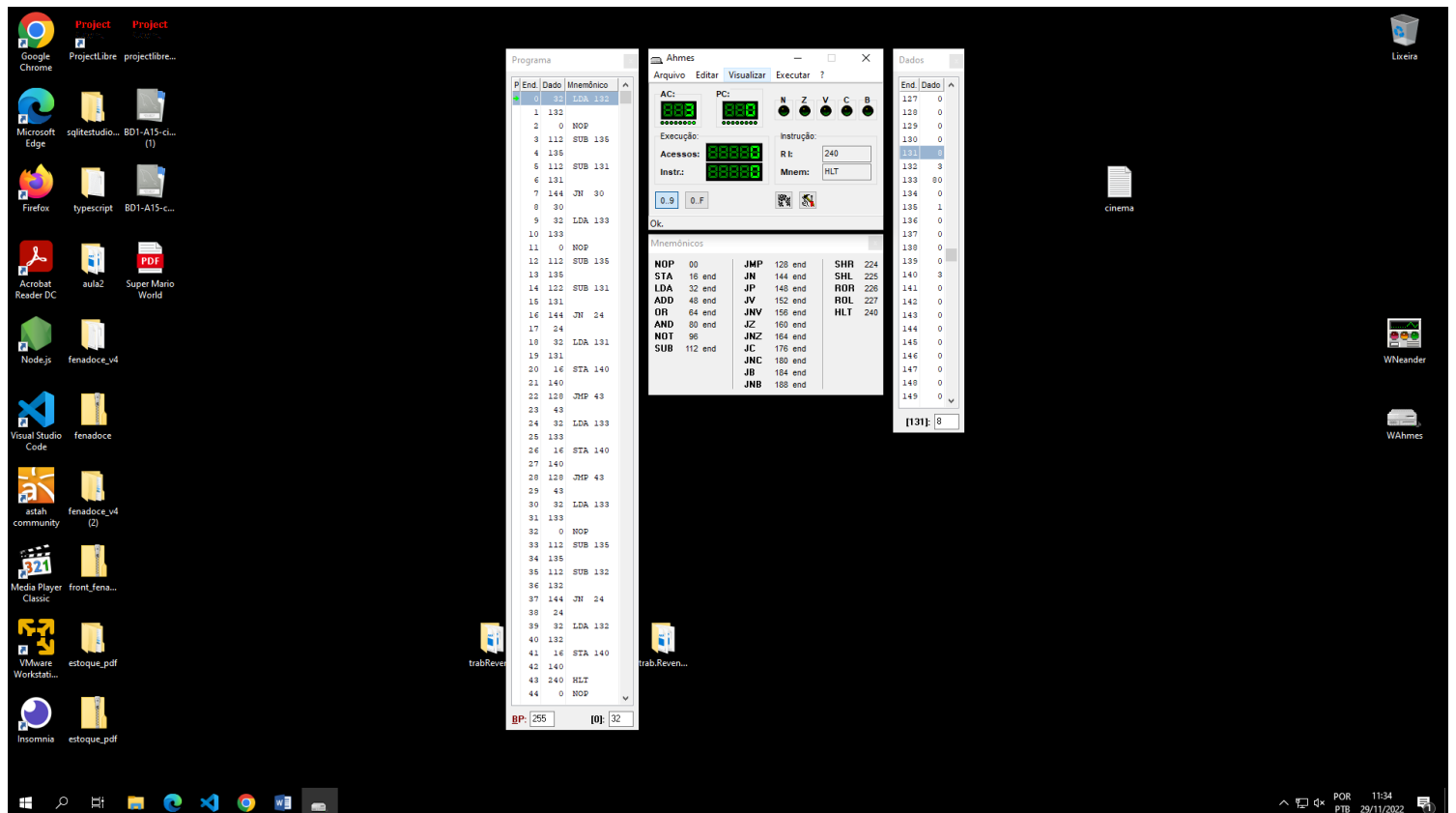


Programa (*)				Dados	
P	End	Dado	Mnemônico	End	Dado
	0	32	LDA 132	129	0
	1	132		130	0
	2	16	STA 135	131	5
	3	135		132	8
	4	32	LDA 140	133	0
	5	140		134	0
	6	48	ADD 131	135	0
	7	131		136	1
	8	16	STA 140	137	0
	9	140		138	0
	10	32	LDA 135	139	0
	11	135		140	40
	12	112	SUB 136	141	0
	13	136		142	0
	14	16	STA 135	143	0
	15	135		144	0
	16	160	JZ 20	145	0
	17	20		146	0
	18	128	JMP 4	147	0
	19	4		148	0
	20	240	HLT	149	0
	21	0	NOP	150	0
	22	0	NOP	151	0
	23	0	NOP	152	0
	24	0	NOP	153	0
	25	0	NOP	154	0
	26	0	NOP	155	0
	27	0	NOP	156	0
	28	0	NOP	157	0
	29	0	NOP	158	0
	30	0	NOP	159	0
	31	0	NOP	160	0
	32	0	NOP	161	0
	33	0	NOP	162	0
	34	0	NOP	163	0
	35	0	NOP		

BP: 255 [21]: 0

[141]: 0

5. Menor de três



(programa na próxima página, não coube aqui)

Programa					
P	End.	Dado	Mnemônico		
→	0	32	LDA 132		
	1	132			
	2	0	NOP		
	3	112	SUB 135		
	4	135			
	5	112	SUB 131		
	6	131			
	7	144	JN 30		
	8	30			
	9	32	LDA 133		
	10	133			
	11	0	NOP		
	12	112	SUB 135		
	13	135			
	14	122	SUB 131		
	15	131			
	16	144	JN 24		
	17	24			
	18	32	LDA 131		
	19	131			
	20	16	STA 140		
	21	140			
	22	128	JMP 43		
	23	43			
	24	32	LDA 133		
	25	133			
	26	16	STA 140		
	27	140			
	28	128	JMP 43		
	29	43			
	30	32	LDA 133		
	31	133			
	32	0	NOP		
	33	112	SUB 135		
	34	135			
	35	112	SUB 132		
	36	132			
	37	144	JN 24		
	38	24			
	39	32	LDA 132		
	40	132			
	41	16	STA 140		
	42	140			
	43	240	HLT		
	44	0	NOP		

BP: 255

[0]: 32

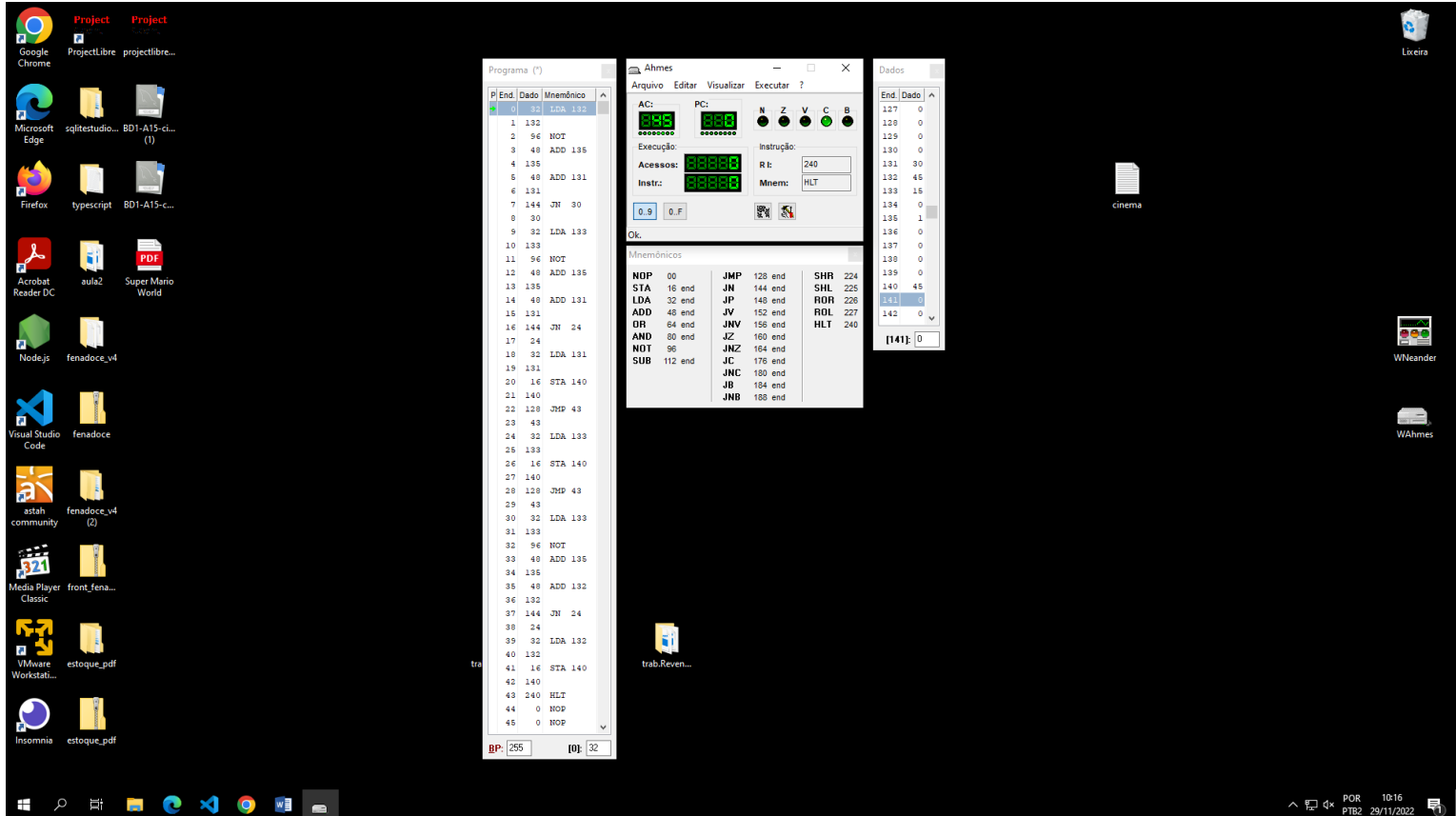
Dados

End.	Dado
127	0
128	0
129	0
130	0
131	8
132	3
133	80
134	0
135	1
136	0
137	0
138	0
139	0
140	3
141	0
142	0
143	0
144	0
145	0
146	0
147	0
148	0
149	0

[131]: 8

[131]: 8

6. Maior de Três



(programa na próxima página, não coube aqui)

Programa (*)

P	End.	Dado	Mnemônico
→	0	32	LDA 132
	1	132	
	2	96	NOT
	3	48	ADD 135
	4	135	
	5	48	ADD 131
	6	131	
	7	144	JN 30
	8	30	
	9	32	LDA 133
	10	133	
	11	96	NOT
	12	48	ADD 135
	13	135	
	14	48	ADD 131
	15	131	
	16	144	JN 24
	17	24	
	18	32	LDA 131
	19	131	
	20	16	STA 140
	21	140	
	22	128	JMP 43
	23	43	
	24	32	LDA 133
	25	133	
	26	16	STA 140
	27	140	
	28	128	JMP 43
	29	43	
	30	32	LDA 133
	31	133	
	32	96	NOT
	33	48	ADD 135
	34	135	
	35	48	ADD 132
	36	132	
	37	144	JN 24
	38	24	
	39	32	LDA 132
	40	132	
	41	16	STA 140
	42	140	
	43	240	HLT
	44	0	NOP
	45	0	NOP

BP: 255 [0]: 32

Dados

End.	Dado
127	0
128	0
129	0
130	0
131	30
132	45
133	15
134	0
135	1
136	0
137	0
138	0
139	0
140	45
141	0
142	0

[141]: 0