LAB₃

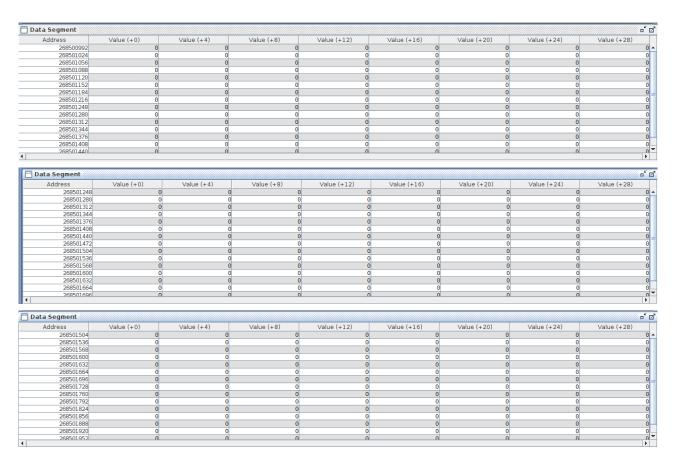
Nome: Maykon Marcos Junior

Matrícula: 22102199

Exercício 1

O resultado esperado é que pontos contíguos da memória estejam valores crescentes (onde o ponto[i] tem valor = ponto[i-1] + 1

Memória antes da execução:



Memória após a execução:

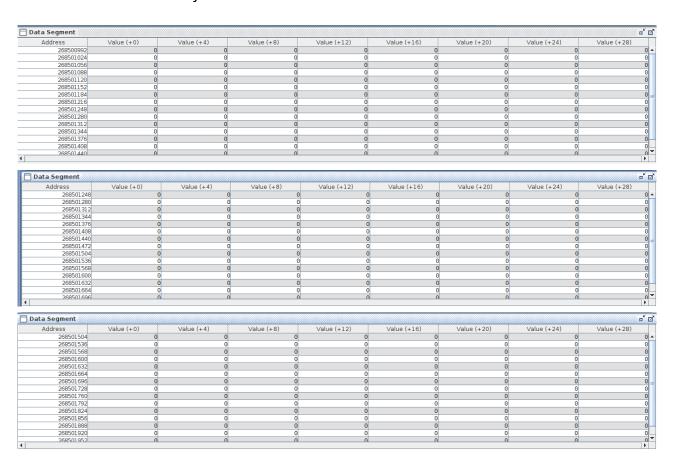
Address	Value (+0)	Value (+4)	Value (+8)	Value (+12)	Value (+16)	Value (+20)	Value (+24)	Value (+28)
268500992	0	1	2	3	4	5	6	
268501024	8	9	10	11	12	13	14	
268501056	16	17	18	19	20	21	22	
268501088	24	25	26	27	28	29	30	
268501120	32	33	34	35	36	37	38	
268501152	40	41	42	43	44	45	46	
268501184	48	49	50	51	52	53	54	
268501216	56	57	58	59	60	61	62	
268501248	64	65	66	67	68	69	70	
268501280	72	73	74	75	76	77	78	
268501312	80	81	82	83	84	85	86	
268501344	88	89	90	91	92	93	94	
268501376	96	97	98	99	100	101	102	
268501408	104	105	106	107	108	109	110	
268501440	112	113	114	115	116	117	118	
268501472	120	121	122	123	124	125	126	

Address	Value (+0)	Value (+4)	Value (+8)	Value (+12)	Value (+16)	Value (+20)	Value (+24)	Value (+28)
268501248	64	65	66	67	68	69	70	
268501280	72	73	74	75	76	77	78	
268501312	80	81	82	83	84	85	86	
268501344	88	89	90	91	92	93	94	
268501376	96	97	98	99	100	101	102	
268501408	104	105	106	107	108	109	110	
268501440	112	113	114	115	116	117	118	
268501472	120	121	122	123	124	125	126	
268501504	128	129	130	131	132	133	134	
268501536	136	137	138	139	140	141	142	
268501568	144	145	146	147	148	149	150	
268501600	152	153	154	155	156	157	158	
268501632	160	161	162	163	164	165	166	
268501664	168	169	170	171	172	173	174	
268501696	176	177	178	179	180	181	182	
268501728	184	185	186	187	188	189	190	
a Segment	104	100	100	107	100	100	130	
a Segment								
a Segment Address	Value (+0)	Value (+4)	Value (+8)	Value (+12)	Value (+16)	Value (+20)	Value (+24)	Value (+28)
Address 268501504	Value (+0)	Value (+4)	Value (+8)	Value (+12)	Value (+16)	Value (+20)	Value (+24)	Value (+28)
Address 268501504 268501536	Value (+0) 128 136	Value (+4) 129 137	Value (+8) 130 138	Value (+12) 131 139	Value (+16) 132 140	Value (+20) 133 141	Value (+24) 134 142	Value (+28)
Address 268501504 268501536 268501568	Value (+0) 128 136 144	Value (+4) 129 137 145	Value (+8) 130 138 146	Value (+12) 131 139 147	Value (+16) 132 140 148	Value (+20) 133 141 149	Value (+24) 134 142 150	Value (+28)
Address 268501504 268501536	Value (+0) 128 136	Value (+4) 129 137	Value (+8) 130 138	Value (+12) 131 139	Value (+16) 132 140	Value (+20) 133 141	Value (+24) 134 142	Value (+28)
Address 268501504 268501536 268501568 268501600	Value (+0) 128 136 144 152	Value (+4) 129 137 145 153	Value (+8) 130 138 146 154	Value (+12) 131 139 147 155	Value (+16) 132 140 148 156	Value (+20) 133 141 149 157	Value (+24) 134 142 150 158	Value (+28)
Address 268501504 268501536 268501508 268501600 268501632	Value (+0) 128 136 144 152 160	Value (+4) 129 137 145 153 161	Value (+8) 130 138 146 154 162	Value (+12) 131 139 147 155	Value (+16) 132 140 148 156 164	Value (+20) 133 141 149 157	Value (+24) 134 142 150 158 166	Value (+28)
Address 268501504 268501536 268501568 268501600 268501632 268501664	Value (+0) 128 138 144 152 160 168	Value (+4) 129 137 145 153 161 169	Value (+8) 130 138 146 154 162 170	Value (+12) 131 139 147 155 163 171	Value (+16) 130 140 148 156 164 172	Value (+20) 133 141 149 157 165 173	Value (+24) 134 142 150 158 166 174	Value (+28)
Address 268501504 268501504 268501568 268501560 268501600 268501604 268501604 268501728 2685017728	Value (+0) 128 136 144 152 160 168 176 184	Value (+4) 129 137 145 153 161 169 177 185	Value (+8) 139 138 146 154 162 170 178 166 194	Value (+12) 131 139 147 155 163 171 179 187	Value (+16) 132 140 148 156 164 172 180 188	Value (+20) 133 141 149 157 165 173 181 189 197	Value (+24) 134 142 150 158 166 174 182 190 198	
Address 268501504 268501536 268501568 268501568 268501600 268501632 268501664 268501696 268501728 268501760	Value (+0) 128 136 144 152 160 168 176 184 192 200	Value (+4) 129 137 145 153 161 169 177 185 193 201	Value (+8) 130 138 146 154 162 170 178 194 202	Value (+12) 131 139 147 155 163 171 179 187 203	Value (+16) 132 140 148 156 164 172 180 188 196 204	Value (+20) 133 141 149 157 165 173 181 189 197 205	Value (+24) 134 142 150 158 166 174 182 190 198	Value (+28)
Address 288501504 268501504 268501506 268501600 268501600 268501602 268501604 268501604 268501728 268501792 268501792	Value (+0) 128 136 144 152 160 168 176 184 192 200	Value (+4) 129 137 145 153 161 169 177 185 193 201	Value (+8) 130 138 146 154 162 170 178 198 202 210	Value (+12) 131 139 147 155 163 171 179 187 195 203	Value (+16) 132 140 148 156 164 172 180 188 196 204	Value (+20) 133 141 149 157 165 173 181 189 197 205 213	Value (+24) 134 142 150 158 166 174 182 199 206	Value (+28)
Address 288501504 288501504 288501508 288501508 288501600 288501602 288501662 288501702 288501702 288501924 288501824	Value (+0) 128 136 144 152 160 168 176 184 192 200 208 216	Value (+4) 129 137 145 153 161 169 177 185 193 201 209 217	Value (+8) 130 138 146 154 162 170 178 186 194 202 210 218	Value (+12) 131 139 147 155 163 171 179 187 203 211 219	Value (+16) 132 140 148 156 164 172 180 188 196 204 212	Value (+20) 133 141 149 157 165 172 181 189 197 205 213	Value (+24) 134 142 150 158 166 174 182 190 198 206 214	Value (+28)
a Segment Address 268501504 268501504 268501536 268501508 268501508 268501600 268501602 268501602 268501604 268501602 268501700 268501720 268501720 268501824 268501850	Value (+0) 128 136 144 152 160 168 176 184 192 200 208 216 224	Value (+4) 129 137 145 153 161 169 177 185 193 201 209 217 225	Value (+8) 130 139 146 154 162 170 178 194 202 210 218 226	Value (+12) 131 139 147 155 163 171 179 187 203 211 219 227	Value (+16) 132 140 148 156 164 172 180 188 196 204 212 220 228	Value (+20) 133 141 149 157 165 173 181 189 197 205 213 221	Value (+24) 134 142 159 166 174 182 190 198 206 214 222 230	Value (+28)
a Segment Address 268501504 288501550 268501586 268501586 268501602 268501602 268501602 268501720 268501720 268501720 268501720 268501826 268501826 268501826	Value (+0) 128 136 144 152 160 168 176 184 192 200 208 216 224 232	Value (+4) 129 137 145 153 161 169 177 185 193 201 209 217 225 233	Value (+8) 150 138 146 154 162 170 178 196 194 202 210 218 226 224	Value (+12) 131 139 147 155 163 171 179 187 195 203 211 219 227	Value (+16) 132 140 148 156 164 172 180 188 196 204 212 220 228 236	Value (+20) 133 141 149 157 165 173 181 189 197 205 213 221 229 237	Value (+24) 134 142 150 158 166 174 182 190 198 206 214 222 230 238	Value (+28)
a Segment Address 268501504 268501504 268501536 268501508 268501508 268501600 268501602 268501602 268501604 268501602 268501700 268501720 268501720 268501824 268501850	Value (+0) 128 136 144 152 160 168 176 184 192 200 208 216 224	Value (+4) 129 137 145 153 161 169 177 185 193 201 209 217 225	Value (+8) 130 139 146 154 162 170 178 194 202 210 218 226	Value (+12) 131 139 147 155 163 171 179 187 203 211 219 227	Value (+16) 132 140 148 156 164 172 180 188 196 204 212 220 228	Value (+20) 133 141 149 157 165 173 181 189 197 205 213 221	Value (+24) 134 142 159 166 174 182 190 198 206 214 222 230	Value (+28)

Exercício 2

O resultado esperado é que cada slot de memória tenha um valor incrementado superior em 1 ao slot 16 posições (1 linha) anterior

Memória antes da execução:



Memória após a execução:

Address	Value (+0)	Value (+4)	Value (+8)	Value (+12)	Value (+16)	Value (+20)	Value (+24)	Value (+28
268500992	0	16	32	48	64	80	96	
268501024	128	144	160	176	192	208	224	
268501056	1	17	33	49	65	81	97	
268501088	129	145	161	177	193	209	225	
268501120	2	18	34	50	66	82	98	
268501152	130	146	162	178	194	210	226	
268501184	3	19	35	51	67	83	99	
268501216	131	147	163	179	195	211	227	
268501248	4	20	36	52	68	84	100	
268501280	132	148	164	180	196	212	228	
268501312	5	21	37	53	69	85	101	
268501344	133	149	165	181	197	213	229	
268501376	6	22	38	54	70	86	102	
268501408	134	150	166	182	198	214	230	
268501440	7	23	39	55	71	87	103	
268501472	135	151	167	183	199	215	231	

Address	Value (+0)	Value (+4)	Value (+8)	Value (+12)	Value (+16)	Value (+20)	Value (+24)	Value (+28)
268501248	4	20	36	52	68	84	100	
268501280	132	148	164	180	196	212	228	
268501312	5	21	37	53	69	85	101	
268501344	133	149	165	181	197	213	229	
268501376	6	22	38	54	70	86	102	
268501408	134	150	166	182	198	214	230	
268501440	7	23	39	55	71	87	103	
268501472	135	151	167	183	199	215	231	
268501504	8	24	40	56	72	88	104	
268501536	136	152 25	168	184	200	216	232	
268501568	9		41	57	73	89	105	
268501600	137	153	169	185	201	217	233	
268501632	10	26	42	58	74	90	106	
268501664	138	154	170	186	202	218	234	
268501696	11	27	43	59	75	91	107	
268501728	139	155	171	187	203	219	235	

Value (+28)	Value (+24)	Value (+20)	Value (+16)	Value (+12)	Value (+8)	Value (+4)	Value (+0)	Address
	104	88	72	56	40	24	8	268501504
	232	216	200	184	168	152	136	268501536
	105	89	73	57	41	25	9	268501568
	233	217	201	185	169	153	137	268501600
	106	90	74	58	42	26	10	268501632
	234	218	202	186	170	154	138	268501664
	107	91	75	59	43	27	11	268501696
	235	219	203	187	171	155	139	268501728
	108	92	76	60	44	28	12	268501760
	236	220	204	188	172	156	140	268501792
	109	93	77	61	45	29	13	268501824
	237	221	205	189	173	157	141	268501856
	110	94	78	62	46	30	14	268501888
	238	222	206	190	174	158	142	268501920
	111	95	79	63	47	31	15	268501952
	239	223	207	191	175	159	143	268501984