

Matrícula: 22103512 e 22100624

Atividade 03

Algoritmo dado:

Matriz armazenada na memória

Data Segment									
Address	Value (+0)	Value (+4)	Value (+8)	Value (+c)	Value (+10)	Value (+14)	Value (+18)	Value (+1c)	
0x10010300	12	28	44	60	64	92	108	124	
0x10010320	140	156	172	188	204	220	236	252	
0x10010340	13	29	45	61	77	93	109	125	
0x10010360	141	157	173	189	205	221	237	253	
0x10010380	14	30	46	62	78	94	110	126	
0x100103a0	142	158	174	190	206	222	238	254	
0x100103c0	15	31	47	63	79	95	111	127	
0x100103e0	143	159	175	191	207	223	239	255	
0x10010400	0	0	0	0	0	0	0	0	
0x10010420	0	0	0	0	0	0	0	0	
0x10010440	0	0	0	0	0	0	0	0	

0x10010000 (.data)
☒ Hexadecimal Addresses
 ☐ Hexadecimal Values
 ☐ ASCII

Exercício 2:

Algoritmo dado:

```
for (col = 0; col < 16; col++)
  for (row = 0; row < 16; row++)
    data[row][col] = value++;
```

Matriz armazenada na memória

Data Segment									
Address	Value (+0)	Value (+4)	Value (+8)	Value (+c)	Value (+10)	Value (+14)	Value (+18)	Value (+1c)	
0x10010000	0		1	2	3	4	5	6	7
0x10010020	8		9	10	11	12	13	14	15
0x10010040	16		17	18	19	20	21	22	23
0x10010060	24		25	26	27	28	29	30	31
0x10010080	32		33	34	35	36	37	38	39
0x100100a0	40		41	42	43	44	45	46	47
0x100100c0	48		49	50	51	52	53	54	55
0x100100e0	56		57	58	59	60	61	62	63
0x10010100	64		65	66	67	68	69	70	71
0x10010120	72		73	74	75	76	77	78	79
0x10010140	80		81	82	83	84	85	86	87

Data Segment									
Address	Value (+0)	Value (+4)	Value (+8)	Value (+c)	Value (+10)	Value (+14)	Value (+18)	Value (+1c)	
0x10010300	192		193	194	195	196	197	198	199
0x10010320	200		201	202	203	204	205	206	207
0x10010340	208		209	210	211	212	213	214	215
0x10010360	216		217	218	219	220	221	222	223
0x10010380	224		225	226	227	228	229	230	231
0x100103a0	232		233	234	235	236	237	238	239
0x100103c0	240		241	242	243	244	245	246	247
0x100103e0	248		249	250	251	252	253	254	255
0x10010400	0		0	0	0	0	0	0	0
0x10010420	0		0	0	0	0	0	0	0
0x10010440	0		0	0	0	0	0	0	0