

Relatório 7

Cora Silberschneider, Ian Paixão, Rithie Natan

1 - A

2 - B

3 - A

4 - C

5- C

6- B

7 - C

8 – D

9 - D

10 – B

11 – A

12 – B

13 – D

14 – D

15 - A

16 – C

17 - B

18 – D

19 – C

20 – A

Programas:

Programa 1:

C:\Users\553249\Documents\programa1.asm - MARS 4.5

File Edit Run Settings Tools Help

Run speed at max (no interaction)

Edit Execute

Text Segment

Bkpt	Address	Code	Basic	Source
	0x00400000	0x20100002	addi \$t6,\$0,0x00000002	15: addi \$t6, \$0, 2 # a = 2
	0x00400004	0x20110003	addi \$t7,\$0,0x00000003	16: addi \$t7, \$0, 3 # b = 3
	0x00400008	0x20120004	addi \$t8,\$0,0x00000004	17: addi \$t8, \$0, 4 # c = 4
	0x0040000c	0x20130005	addi \$t9,\$0,0x00000005	18: addi \$t9, \$0, 5 # d = 5
	0x00400010	0x02114020	add \$t8,\$t6,\$t7	19: add \$t8, \$t6, \$t7 # t0 = a + b
	0x00400014	0x02534820	add \$t9,\$t8,\$t9	20: add \$t9, \$t8, \$t9 # t1 = c + d
	0x00400018	0x0109a022	sub \$t0,\$t8,\$t9	21: sub \$t0, \$t8, \$t9 # x = t0 - t1
	0x0040001c	0x02115022	sub \$t1,\$t6,\$t7	22: sub \$t1, \$t6, \$t7 # t2 = a - b
	0x00400020	0x0154a820	add \$t1,\$t0,\$t2	23: add \$t1, \$t0, \$t2 # y = t2 + x
	0x00400024	0x02958822	sub \$t7,\$t7,\$t1	24: sub \$t7, \$t7, \$t1 # b = x - y

Data Segment

Address	Value (+0)	Value (+4)	Value (+8)	Value (+c)	Value (+10)	Value (+14)	Value (+18)	Value (+1c)
0x10010000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000
0x10010020	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000
0x10010040	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000
0x10010060	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000
0x10010080	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000
0x100100a0	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000
0x100100c0	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000

Mars Messages Run I/O

Clear -- program is finished running (dropped off bottom) --

Registers Coproc 1 Coproc 0

Name	Number	Value
\$zero	0	0x00000000
\$at	1	0x00000000
\$v0	2	0x00000000
\$v1	3	0x00000000
\$a0	4	0x00000000
\$a1	5	0x00000000
\$a2	6	0x00000000
\$a3	7	0x00000000
\$t0	8	0x00000005
\$t1	9	0x00000009
\$t2	10	0xffffffff
\$t3	11	0x00000000
\$t4	12	0x00000000
\$t5	13	0x00000000
\$t6	14	0x00000000
\$t7	15	0x00000000
\$a0	16	0x00000002
\$s1	17	0x00000001
\$s2	18	0x00000004
\$s3	19	0x00000005
\$s4	20	0xffffffff
\$s5	21	0xffffffff
\$s6	22	0x00000000
\$s7	23	0x00000000
\$t8	24	0x00000000
\$t9	25	0x00000000
\$k0	26	0x00000000
\$k1	27	0x00000000
\$gp	28	0x10008000
\$sp	29	0x7fffffc
\$fp	30	0x00000000
\$ra	31	0x00000000
pc		0x00400028

Programa 2:

C:\Users\553249\Documents\programa2.asm - MARS 4.5

File Edit Run Settings Tools Help

Run speed at max (no interaction)

Edit Execute

Text Segment

Bkpt	Address	Code	Basic	Source
	0x00400000	0x20100001	addi \$t6,\$0,0x00000001	10: addi \$t6, \$0, 1 # x = 1
	0x00400004	0x02104020	add \$t8,\$t6,\$t6	11: add \$t8, \$t6, \$t6 # t0 = 2x
	0x00400008	0x01104020	add \$t8,\$t8,\$t6	12: add \$t8, \$t8, \$t6 # t0 = 3x
	0x0040000c	0x01104020	add \$t8,\$t8,\$t6	13: add \$t8, \$t8, \$t6 # t0 = 4x
	0x00400010	0x01104020	add \$t8,\$t8,\$t6	14: add \$t8, \$t8, \$t6 # t0 = 5x
	0x00400014	0x2111000f	addi \$t7,\$t8,0x0000000f	15: addi \$t7, \$t8, 0xf # y = 5x + 15

Data Segment

Address	Value (+0)	Value (+4)	Value (+8)	Value (+c)	Value (+10)	Value (+14)	Value (+18)	Value (+1c)
0x10010000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000
0x10010020	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000
0x10010040	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000
0x10010060	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000
0x10010080	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000
0x100100a0	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000
0x100100c0	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000	0x00000000

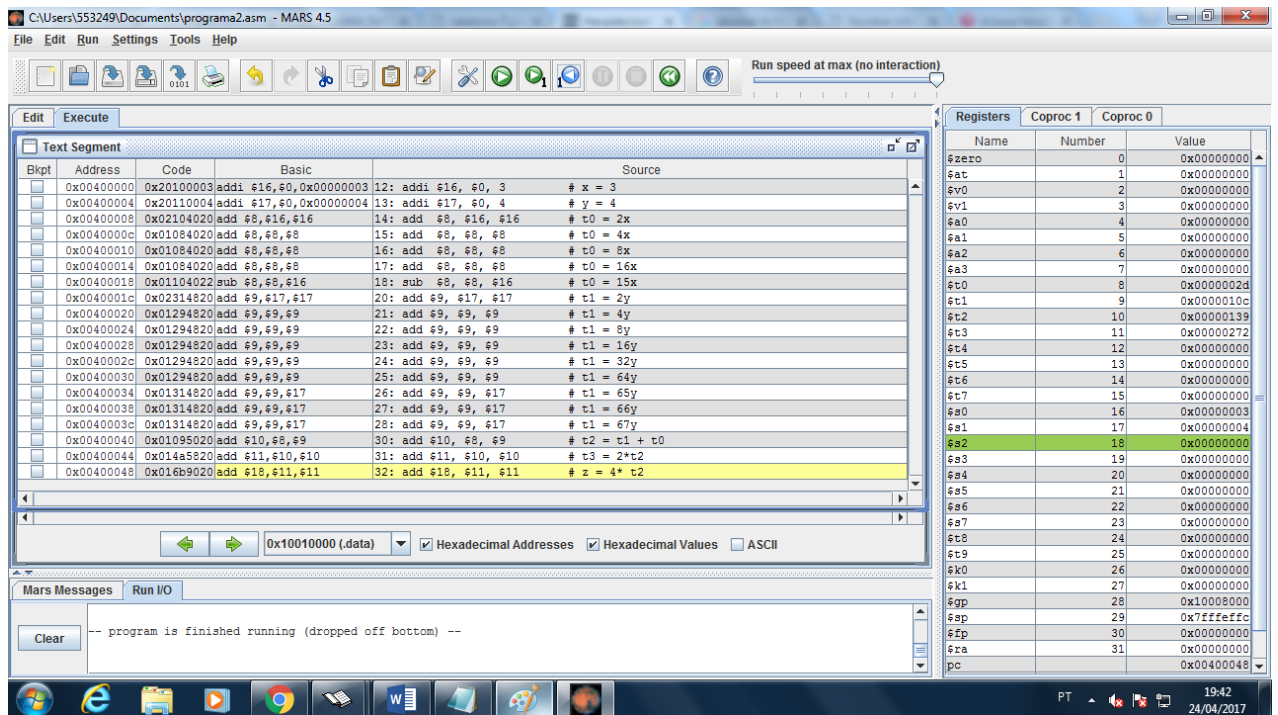
Mars Messages Run I/O

Clear -- program is finished running (dropped off bottom) --

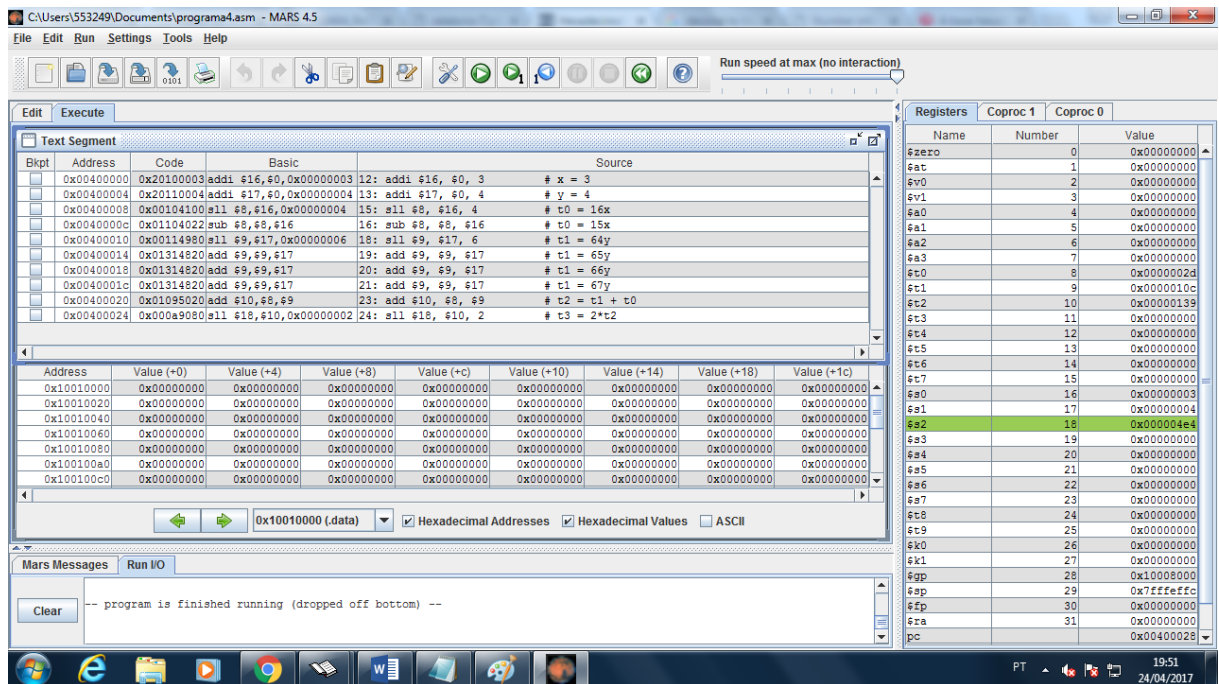
Registers Coproc 1 Coproc 0

Name	Number	Value
\$zero	0	0x00000000
\$at	1	0x00000000
\$v0	2	0x00000000
\$v1	3	0x00000000
\$a0	4	0x00000000
\$a1	5	0x00000000
\$a2	6	0x00000000
\$a3	7	0x00000000
\$t0	8	0x00000005
\$t1	9	0x00000000
\$t2	10	0x00000000
\$t3	11	0x00000000
\$t4	12	0x00000000
\$t5	13	0x00000000
\$t6	14	0x00000000
\$t7	15	0x00000000
\$a0	16	0x00000001
\$s1	17	0x00000014
\$s2	18	0x00000000
\$s3	19	0x00000000
\$s4	20	0x00000000
\$s5	21	0x00000000
\$s6	22	0x00000000
\$s7	23	0x00000000
\$t8	24	0x00000000
\$t9	25	0x00000000
\$k0	26	0x00000000
\$k1	27	0x00000000
\$gp	28	0x10008000
\$sp	29	0x7fffffc
\$fp	30	0x00000000
\$ra	31	0x00000000
pc		0x00400018

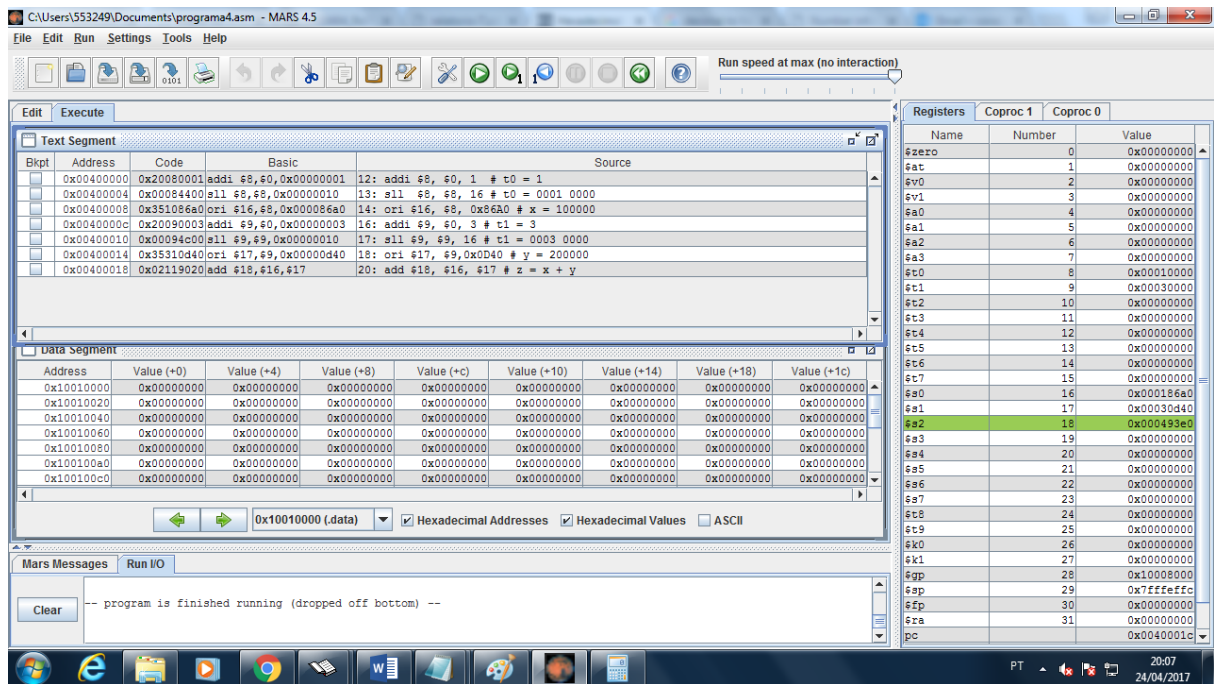
Programa 3:



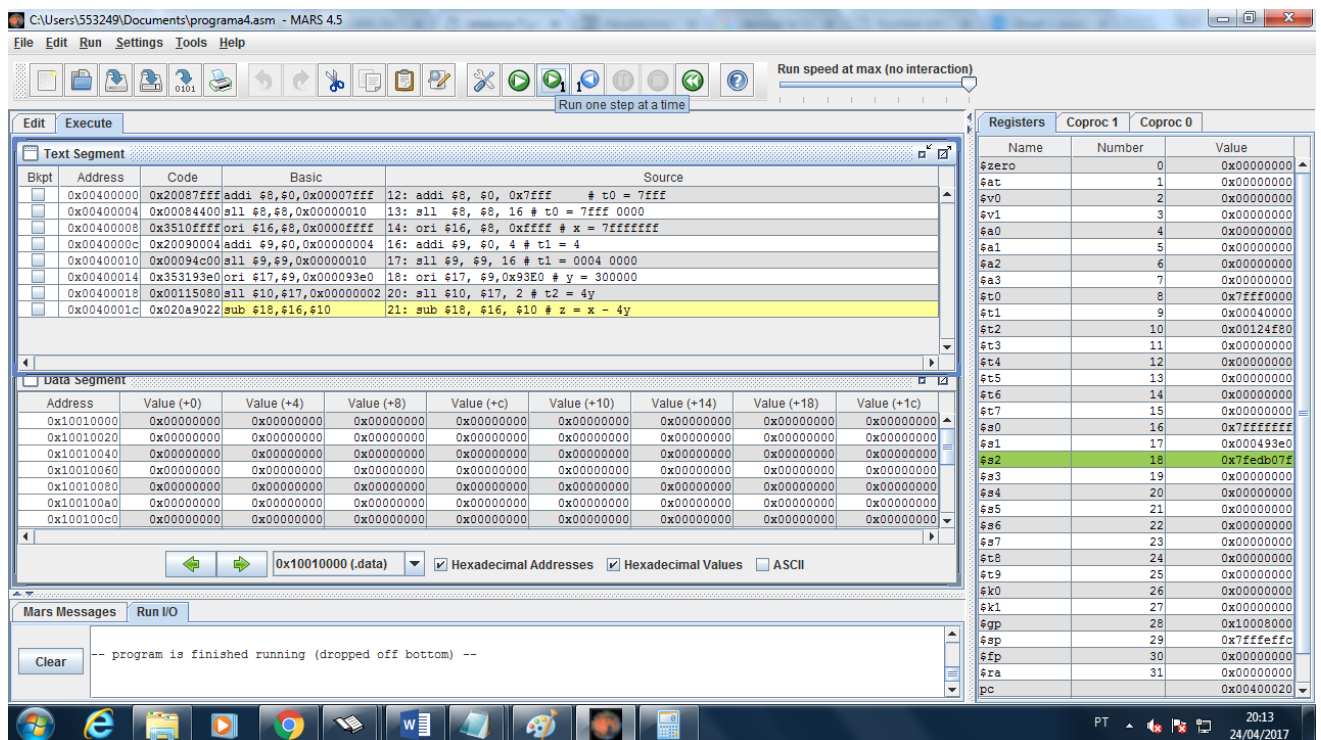
Programa 4:



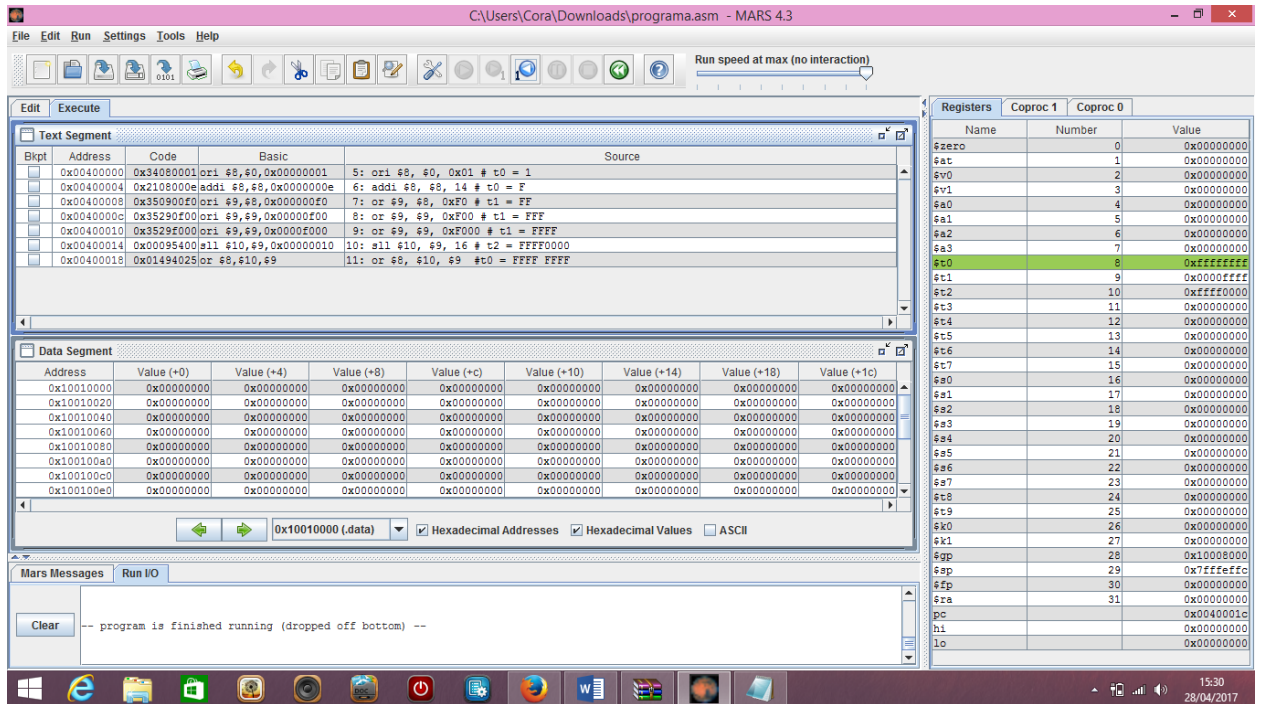
Programa 5:



Programa 6:



Programa 7:



Programa 8:

