

Nomes: Tális Breda - 22102202
Enzo Nicolás - 22100614

Questão 1

Text Segment				
Bkpt	Address	Code	Basic	Source
	0x00400000	0x3c011001	lui \$1,4097	13: 1a \$s0, A
	0x00400004	0x34300000	ori \$16,\$1,0	
	0x00400008	0x3c011001	lui \$1,4097	14: 1a \$s1, B
	0x0040000c	0x34310004	ori \$17,\$1,4	
	0x00400010	0x3c011001	lui \$1,4097	15: 1a \$s2, C
	0x00400014	0x34320008	ori \$18,\$1,8	
	0x00400018	0x3c011001	lui \$1,4097	16: 1a \$s3, D
	0x0040001c	0x3433000c	ori \$19,\$1,12	
	0x00400020	0x3c011001	lui \$1,4097	17: 1a \$s4, E
	0x00400024	0x34340010	ori \$20,\$1,16	
	0x00400028	0x8e080000	lw \$8,0(\$16)	19: lw \$t0, 0(\$s0)
	0x0040002c	0x8e290000	lw \$9,0(\$17)	20: lw \$t1, 0(\$s1)
	0x00400030	0x21280023	addi \$8,\$9,35	21: addi \$t0, \$t1, 35
	0x00400034	0x8e4a0000	lw \$10,0(\$18)	23: lw \$t2, 0(\$s2)
	0x00400038	0x8e6b0000	lw \$11,0(\$19)	24: lw \$t3, 0(\$s3)
	0x0040003c	0x01685022	sub \$10,\$11,\$8	25: sub \$t2, \$t3, \$t0
	0x00400040	0x8e8c0000	lw \$12,0(\$20)	27: lw \$t4, 0(\$s4)

Data Segment									
Address	Value (+0)	Value (+4)	Value (+8)	Value (+c)	Value (+10)	Value (+14)	Value (+18)	Value (+1c)	
0x10010000	0	10	-15	20	10	0	0	0	
0x10010020	0	0	0	0	0	0	0	0	
0x10010040	0	0	0	0	0	0	0	0	
0x10010060	0	0	0	0	0	0	0	0	
0x10010080	0	0	0	0	0	0	0	0	
0x100100a0	0	0	0	0	0	0	0	0	
0x100100c0	0	0	0	0	0	0	0	0	
0x100100e0	0	0	0	0	0	0	0	0	
0x10010100	0	0	0	0	0	0	0	0	
0x10010120	0	0	0	0	0	0	0	0	
0x10010140	0	0	0	0	0	0	0	0	
0x10010160	0	0	0	0	0	0	0	0	
0x10010180	0	0	0	0	0	0	0	0	
0x100101a0	0	0	0	0	0	0	0	0	

0x10010000 (.data)

☒ Hexadecimal Addresses ☐ Hexadecimal Values ☐ ASCII

Registers			Coproc 1	Coproc 0
Name	Number	Value		
\$zero	0	0		
\$at	1	268500992		
\$v0	2	0		
\$v1	3	0		
\$a0	4	0		
\$a1	5	0		
\$a2	6	0		
\$a3	7	0		
\$t0	8	45		
\$t1	9	10		
\$t2	10	-25		
\$t3	11	20		
\$t4	12	10		
\$t5	13	0		
\$t6	14	0		
\$t7	15	0		
\$s0	16	268500992		
\$s1	17	268500996		
\$s2	18	268501000		
\$s3	19	268501004		
\$s4	20	268501008		
\$s5	21	-15		
\$s6	22	0		
\$s7	23	0		
\$t8	24	0		
\$t9	25	0		
\$k0	26	0		
\$k1	27	0		
\$gp	28	268468224		
\$sp	29	2147479548		
\$fp	30	0		
\$ra	31	0		
pc		4194380		
hi		0		
lo		0		

Questão 2

Text Segment				
Bkpt	Address	Code	Basic	Source
<input type="checkbox"/>	0x00400000	0x3c011001	lui \$1,4097	16: la \$s0, A
<input type="checkbox"/>	0x00400004	0x34300000	ori \$16,\$1,0	
<input type="checkbox"/>	0x00400008	0x3c011001	lui \$1,4097	17: la \$s1, B
<input type="checkbox"/>	0x0040000c	0x34310004	ori \$17,\$1,4	
<input type="checkbox"/>	0x00400010	0x3c011001	lui \$1,4097	18: la \$s2, C
<input type="checkbox"/>	0x00400014	0x34320008	ori \$18,\$1,8	
<input type="checkbox"/>	0x00400018	0x3c011001	lui \$1,4097	19: la \$s3, D
<input type="checkbox"/>	0x0040001c	0x3433000c	ori \$19,\$1,12	
<input type="checkbox"/>	0x00400020	0x3c011001	lui \$1,4097	20: la \$s4, E
<input type="checkbox"/>	0x00400024	0x34340010	ori \$20,\$1,16	
<input type="checkbox"/>	0x00400028	0x24020004	addiu \$2,\$0,4	22: li \$v0, 4
<input type="checkbox"/>	0x0040002c	0x3c011001	lui \$1,4097	23: la \$a0, FRASE_1
<input type="checkbox"/>	0x00400030	0x34240014	ori \$4,\$1,20	
<input type="checkbox"/>	0x00400034	0x0000000c	syscall	25: syscall
<input type="checkbox"/>	0x00400038	0x24020005	addiu \$2,\$0,5	26: li \$v0, 5
<input type="checkbox"/>	0x0040003c	0x0000000c	syscall	27: syscall
<input type="checkbox"/>	0x00400040	0x00024821	addu \$9,\$0,\$2	29: move \$t1,\$v0

Data Segment									
Address	Value (+0)	Value (+4)	Value (+8)	Value (+c)	Value (+10)	Value (+14)	Value (+18)	Value (+1c)	
0x10010000	0	10	-15	20	10	1768384836	1864394100	1818326560	0
0x10010020	1679848047	977412197	542048288	1970496882	1684108396	988356719	32	0	0
0x10010040	0	0	0	0	0	0	0	0	0
0x10010060	0	0	0	0	0	0	0	0	0
0x10010080	0	0	0	0	0	0	0	0	0
0x100100a0	0	0	0	0	0	0	0	0	0
0x100100c0	0	0	0	0	0	0	0	0	0
0x100100e0	0	0	0	0	0	0	0	0	0
0x10010100	0	0	0	0	0	0	0	0	0
0x10010120	0	0	0	0	0	0	0	0	0
0x10010140	0	0	0	0	0	0	0	0	0
0x10010160	0	0	0	0	0	0	0	0	0
0x10010180	0	0	0	0	0	0	0	0	0
0x100101a0	0	0	0	0	0	0	0	0	0

Mars Messages	Run I/O
Digite o valor de B: 10 0 resultado é: -15 -- program is finished running (dropped off bottom) --	

Registers	Coproc 1	Coproc 0
Name	Number	Value
\$zero	0	0
\$at	1	268500992
\$v0	2	1
\$v1	3	0
\$a0	4	-15
\$a1	5	0
\$a2	6	0
\$a3	7	0
\$t0	8	45
\$t1	9	10
\$t2	10	-25
\$t3	11	20
\$t4	12	10
\$t5	13	0
\$t6	14	0
\$t7	15	0
\$s0	16	268500992
\$s1	17	268500996
\$s2	18	268501000
\$s3	19	268501004
\$s4	20	268501008
\$s5	21	-15
\$s6	22	0
\$s7	23	0
\$t8	24	0
\$t9	25	0
\$k0	26	0
\$k1	27	0
\$gp	28	268468224
\$sp	29	2147479548
\$fp	30	0
\$ra	31	0
pc		4194432
hi		0
lo		0