addiu

```
Current register/bus values :
-------------------------------------
Instruction Count : 7
PC                  : 0x0040001c
Registers:
R0: 0x00000000
R1: 0x00000000
R2: 0x0000000a
R3: 0x00000000
R4: 0x00000000
R5: 0x00000000
R6: 0x00000000
R7: 0x00000000
R8: 0x00000005
R9: 0x00000131
R10: 0x000001f4
R11: 0x00000243
R12: 0x00000000
R13: 0x00000000
R14: 0x00000000
R15: 0x00000000
R16: 0x00000000
R17: 0x00000000
R18: 0x00000000
R19: 0x00000000
R20: 0x00000000
R21: 0x00000000
R22: 0x00000000
R23: 0x00000000
R24: 0x00000000
R25: 0x00000000
R26: 0x00000000
R27: 0x00000000
R28: 0x00000000
R29: 0x00000000
R30: 0x00000000
R31: 0x00000000
HI: 0x00000000
LO: 0x00000000
```

Registers		
Name	Number	Value
$zero	0	0x00000000
$at	1	0x00000000
$v0	2	0x0000000a
$v1	3	0x00000000
$a0	4	0x00000000
$a1	5	0x00000000
$a2	6	0x00000000
$a3	7	0x00000000
$t0	8	0x00000005
$t1	9	0x00000131
$t2	10	0x000001f4
$t3	11	0x00000243
$t4	12	0x00000000
$t5	13	0x00000000
$t6	14	0x00000000
$t7	15	0x00000000
$s0	16	0x00000000
$s1	17	0x00000000
$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	0x7fffeffc
$fp	30	0x00000000
$ra	31	0x00000000
pc		0x0040001c
hi		0x00000000
lo		0x00000000

arithtest

```
----------------------------------------
Instruction Count : 17
PC                 : 0x00400044
Registers:
R0: 0x00000000
R1: 0x00000000
R2: 0x0000000a
R3: 0x00000800
R4: 0x00000c00
R5: 0x000004d2
R6: 0x04d20000
R7: 0x04d2270f
R8: 0x04d2230f
R9: 0x00000400
R10: 0x000004ff
R11: 0x00269000
R12: 0x004d2000
R13: 0x00000000
R14: 0x00000000
R15: 0xfffffb01
R16: 0x00000000
R17: 0x00640000
R18: 0x00000000
R19: 0x00000000
R20: 0x00000000
R21: 0x00000000
R22: 0x00000000
R23: 0x00000000
R24: 0x00000000
R25: 0x00000000
R26: 0x00000000
R27: 0x00000000
R28: 0x00000000
R29: 0x00000000
R30: 0x00000000
R31: 0x00000000
HI: 0x00000000
LO: 0x00000000
```

Registers		
Name	Number	Value
$zero	0	0x00000000
$at	1	0x00000000
$v0	2	0x0000000a
$v1	3	0x00000800
$a0	4	0x00000c00
$a1	5	0x000004d2
$a2	6	0x04d20000
$a3	7	0x04d2270f
$t0	8	0x04d2230f
$t1	9	0x00000400
$t2	10	0x000004ff
$t3	11	0x00269000
$t4	12	0x004d2000
$t5	13	0x00000000
$t6	14	0x00000000
$t7	15	0xfffffb01
$s0	16	0x00000000
$s1	17	0x00640000
$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	0x7fffeffc
$fp	30	0x00000000
$ra	31	0x00000000
pc		0x00400044
hi		0x00000000
lo		0x00000000

brtest0

```
------------------------------------
Instruction Count : 12
PC              : 0x0040005c
Registers:
R0: 0x00000000
R1: 0x0000d00d
R2: 0x0000000a
R3: 0x00000000
R4: 0x00000000
R5: 0x00000001
R6: 0x00001337
R7: 0x0000d00d
R8: 0x00000000
R9: 0x00000000
R10: 0x00000000
R11: 0x00000000
R12: 0x00000000
R13: 0x00000000
R14: 0x00000000
R15: 0x00000000
R16: 0x00000000
R17: 0x00000000
R18: 0x00000000
R19: 0x00000000
R20: 0x00000000
R21: 0x00000000
R22: 0x00000000
R23: 0x00000000
R24: 0x00000000
R25: 0x00000000
R26: 0x00000000
R27: 0x00000000
R28: 0x00000000
R29: 0x00000000
R30: 0x00000000
R31: 0x00000000
HI: 0x00000000
LO: 0x00000000
```

Registers		
Name	Number	Value
$zero	0	0x00000000
$at	1	0x0000d00d
$v0	2	0x0000000a
$v1	3	0x00000000
$a0	4	0x00000000
$a1	5	0x00000001
$a2	6	0x00001337
$a3	7	0x0000d00d
$t0	8	0x00000000
$t1	9	0x00000000
$t2	10	0x00000000
$t3	11	0x00000000
$t4	12	0x00000000
$t5	13	0x00000000
$t6	14	0x00000000
$t7	15	0x00000000
$s0	16	0x00000000
$s1	17	0x00000000
$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	0x7fffeffc
$fp	30	0x00000000
$ra	31	0x00000000
pc		0x0040005c
hi		0x00000000
lo		0x00000000

brtest1

```
------------------------------------
Instruction Count : 30
PC                : 0x00400090
Registers:
R0: 0x00000000
R1: 0xbeb0063d
R2: 0x0000000a
R3: 0x00000001
R4: 0xffffffff
R5: 0xbef01a5e
R6: 0x00000000
R7: 0x00000000
R8: 0x00000000
R9: 0x00000000
R10: 0x00000000
R11: 0x00000000
R12: 0x00000000
R13: 0x00000000
R14: 0x00000000
R15: 0x00000000
R16: 0x00000000
R17: 0x00000000
R18: 0x00000000
R19: 0x00000000
R20: 0x00000000
R21: 0x00000000
R22: 0x00000000
R23: 0x00000000
R24: 0x00000000
R25: 0x00000000
R26: 0x00000000
R27: 0x00000000
R28: 0x00000000
R29: 0x00000000
R30: 0x00000000
R31: 0x00400070
HI: 0x00000000
LO: 0x00000000
```

Registers		
Name	Number	Value
$zero	0	0x00000000
$at	1	0xbeb0063d
$v0	2	0x0000000a
$v1	3	0x00000001
$a0	4	0xffffffff
$a1	5	0xbef01a5e
$a2	6	0x00000000
$a3	7	0x00000000
$t0	8	0x00000000
$t1	9	0x00000000
$t2	10	0x00000000
$t3	11	0x00000000
$t4	12	0x00000000
$t5	13	0x00000000
$t6	14	0x00000000
$t7	15	0x00000000
$s0	16	0x00000000
$s1	17	0x00000000
$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	0x7fffeffc
$fp	30	0x00000000
$ra	31	0x00400070
pc		0x00400090
hi		0x00000000
lo		0x00000000

Brtest2

```
Current register/bus values :
-------------------------------------
Instruction Count : 8
PC                   : 0x0040002c
Registers:
R0: 0x00000000
R1: 0x0000d00d
R2: 0x0000000a
R3: 0x00000000
R4: 0x00000000
R5: 0x00000000
R6: 0x00000000
R7: 0x0000d00d
R8: 0x00000000
R9: 0x00000000
R10: 0x00000000
R11: 0x00000000
R12: 0x00000000
R13: 0x00000000
R14: 0x00000000
R15: 0x00000000
R16: 0x00000000
R17: 0x00000000
R18: 0x00000000
R19: 0x00000000
R20: 0x00000000
R21: 0x00000000
R22: 0x00000000
R23: 0x00000000
R24: 0x00000000
R25: 0x00000000
R26: 0x00000000
R27: 0x00000000
R28: 0x00000000
R29: 0x00000000
R30: 0x00000000
R31: 0x00000000
HI: 0x00000000
LO: 0x00000000
```

Registers		
Name	Number	Value
$zero	0	0x00000000
$at	1	0x0000d00d
$v0	2	0x0000000a
$v1	3	0x00000000
$a0	4	0x00000000
$a1	5	0x00000000
$a2	6	0x00000000
$a3	7	0x0000d00d
$t0	8	0x00000000
$t1	9	0x00000000
$t2	10	0x00000000
$t3	11	0x00000000
$t4	12	0x00000000
$t5	13	0x00000000
$t6	14	0x00000000
$t7	15	0x00000000
$s0	16	0x00000000
$s1	17	0x00000000
$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	0x7fffeffc
$fp	30	0x00000000
$ra	31	0x00000000
pc		0x0040002c
hi		0x00000000
lo		0x00000000

Memtest0

```
Current register/bus values :
-------------------------------------
Instruction Count : 32
PC                  : 0x00400080
Registers:
R0: 0x00000000
R1: 0x00000000
R2: 0x0000000a
R3: 0x10000004
R4: 0x00000000
R5: 0x000000ff
R6: 0x000001fe
R7: 0x000003fc
R8: 0x0000792c
R9: 0x000000ff
R10: 0x000001fe
R11: 0x000003fc
R12: 0x0000792c
R13: 0x000000ff
R14: 0x000000ff
R15: 0x000001fe
R16: 0x000003fc
R17: 0x0000881d
R18: 0x00000000
R19: 0x00000000
R20: 0x00000000
R21: 0x00000000
R22: 0x00000000
R23: 0x00000000
R24: 0x00000000
R25: 0x00000000
R26: 0x00000000
R27: 0x00000000
R28: 0x00000000
R29: 0x00000000
R30: 0x00000000
R31: 0x00000000
HI: 0x00000000
LO: 0x00000000
```

Registers		
Name	Number	Value
$zero	0	0x00000000
$at	1	0x00000000
$v0	2	0x0000000a
$v1	3	0x10000004
$a0	4	0x00000000
$a1	5	0x000000ff
$a2	6	0x000001fe
$a3	7	0x000003fc
$t0	8	0x0000792c
$t1	9	0x000000ff
$t2	10	0x000001fe
$t3	11	0x000003fc
$t4	12	0x0000792c
$t5	13	0x000000ff
$t6	14	0x000000ff
$t7	15	0x000001fe
$s0	16	0x000003fc
$s1	17	0x0000881d
$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	0x7fffeffc
$fp	30	0x00000000
$ra	31	0x00000000
pc		0x00400080
hi		0x00000000
lo		0x00000000

Memtest1

```
Current register/bus values :
-------------------------------------
Instruction Count : 40
PC                : 0x004000a0
Registers:
R0: 0x00000000
R1: 0x0000efbe
R2: 0x0000000a
R3: 0x10000004
R4: 0x00000000
R5: 0x0000cafe
R6: 0x0000feca
R7: 0x0000beef
R8: 0x0000efbe
R9: 0x000000fe
R10: 0x000000ca
R11: 0xffffffef
R12: 0xffffffbe
R13: 0x0000cafe
R14: 0x0000feca
R15: 0xffffffef
R16: 0xffffffbe
R17: 0x0001caea
R18: 0x00000000
R19: 0x00000000
R20: 0x00000000
R21: 0x00000000
R22: 0x00000000
R23: 0x00000000
R24: 0x00000000
R25: 0x00000000
R26: 0x00000000
R27: 0x00000000
R28: 0x00000000
R29: 0x00000000
R30: 0x00000000
R31: 0x00000000
HI: 0x00000000
LO: 0x00000000
```

Registers		
Name	Number	Value
$zero	0	0x00000000
$at	1	0x0000efbe
$v0	2	0x0000000a
$v1	3	0x10000004
$a0	4	0x00000000
$a1	5	0x0000cafe
$a2	6	0x0000feca
$a3	7	0x0000beef
$t0	8	0x0000efbe
$t1	9	0x000000fe
$t2	10	0x000000ca
$t3	11	0xffffffef
$t4	12	0xffffffbe
$t5	13	0x0000cafe
$t6	14	0x0000feca
$t7	15	0xffffbeef
$s0	16	0xffffefbe
$s1	17	0x000179ea
$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	0x7fffeffc
$fp	30	0x00000000
$ra	31	0x00000000
pc		0x004000a0
hi		0x00000000
lo		0x00000000