```
1. cd
     12
2. FEB5 0EE3
3. 0 1234_567A_BABE_FEF8
     o 2345_6781_2345_6780
     o 0000_0000_0000_0545
4. 2
5.
     0 20
     o 4N+1
6. sb x1, 1(x1)
7.
    o add x31, x11, x31
      \circ 1d x5, 0(x30)
      o addi x12, x30, -8
      o 1d x30, 0(x12)
       o add x30, x5, x30
       \circ sd x30, 0(x31)
8. 代码
         1 .data # 定义一个双字(dword)的10位数组
         2 v:
            .dword 4,2,7,5,8,-9,11,32,20,18
            .space 10
         5
         6
            .text
         7
            la, x5, v  # 将数组v基地址存入x5
addi x6, x0, 10  # 将数组长度存入x6
ld x10, 0(x5)  # x10中先存入v[0], 作为临时最大值
         8 la, x5, v
        10
                                   # 跳转到max函数
            jal ra, max
        11
            j Done
        12
        13
        14 max:
        15 addi sp, sp, -40 # 在栈空间中开辟5个双字变量空间
        16 sd ra, 32(sp) # 保存x1的值(入栈)

      17
      sd x22, 24(sp)
      # 保存x22的值(入栈)

      18
      sd x21, 16(sp)
      # 保存x21的值(入栈)

      19
      sd x20, 8(sp)
      # 保存x20的值(入栈)

      20
      sd x19, 0(sp)
      # 保存x19的值(入栈)

        21 mv x20, x5
                                   # 复制x10中的值到x21
        22 mv x21, x6
                                   # 复制x11中的值到x22
```

i = 1

25 bge x19, x21, Exit # 当i < 10 时进入循环

26 slli x22, x19, 3 # x22 = i * 8 27 add x22, x22, x20 # x22 = v + i * 8

1d x7, 0(x22) # x7 = v[i]

23

24

28

li x19, 1 Loop:

程序截图

Registers	Floatii	ng Point	Coı	ntrol and Status	
Name		Number		Value	
zero			0	0x000000000000000	000
ra			1	0x00000000004000	014
sp			2	0x00000007fffe	ffc
gp			3	0x000000010008	000
tp			4	0x000000000000000	000
t0			5	0x0000000100100	000
t1			6	0x00000000000000	00a
t2			7	0x00000000000000	012
s0			8	0x000000000000000	000
s1			9	0x00000000000000	000
a0			10	0x00000000000000	020
al			11	0x00000000000000	000
a2			12	0x00000000000000	000
a3			13	0x00000000000000	000
a4			14	0x00000000000000	000
a5			15	0x000000000000000	000
a6			16	0x000000000000000	000
a7			17	0x00000000000000	000
s2			18	0x000000000000000	000
s3			19	0x000000000000000	000
s4			20	0x000000000000000	000
s5			21	0x00000000000000	000
s6			22	0x00000000000000	000
s7			23	0x000000000000000	000
s8			24	0x000000000000000	000
s9			25	0x000000000000000	000
s10			26	0x000000000000000	000
s11			27	0x000000000000000	000
t3			28	0x000000000000000	000
t4			29	0x000000000000000	000
t5			30	0x00000000000000	000
t6			31	0x000000000000000	000
рс				0x00000000004000	07ი