```
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	Floating Point	Cor	ntrol and Status
Name	Numl	ber	Value
zero		0	0x00000000000000000
ra		1	0x00000000000000000
sp		2	0x000000007fffeffc
gp		3	0x0000000010008000
tp		4	0x00000000000000000
t0		5	0x00000000000000000
t1		6	0x00000000000000000
t2		7	0x00000000000000000
s0		8	0x00000000000000000
s1		9	0x00000000000000000
a0		10	0x00000000000000000
a1		11	0x00000000000000000
a2		12	0x00000000000000000
a3		13	0x00000000000000000
a4		14	0x00000000000000000
a5		15	0x00000000000000000
a6		16	0x00000000000000000
a7		17	0x00000000000000000
s2		18	0x00000000000000000
s3		19	0x00000000000000000
s4		20	0x00000000000000000
s5		21	0x00000000000000000
s6		22	0x00000000000000000
s7		23	0x00000000000000000
s8		24	0x00000000000000000
s9		25	0x00000000000000000
s10		26	0x00000000000000000
s11		27	0x00000000000000000
t3		28	0x00000000000000000
t4		29	0x00000000000000000
t5		30	0x00000000000000000
t6		31	0x00000000000000000
рс			0x0000000000400000