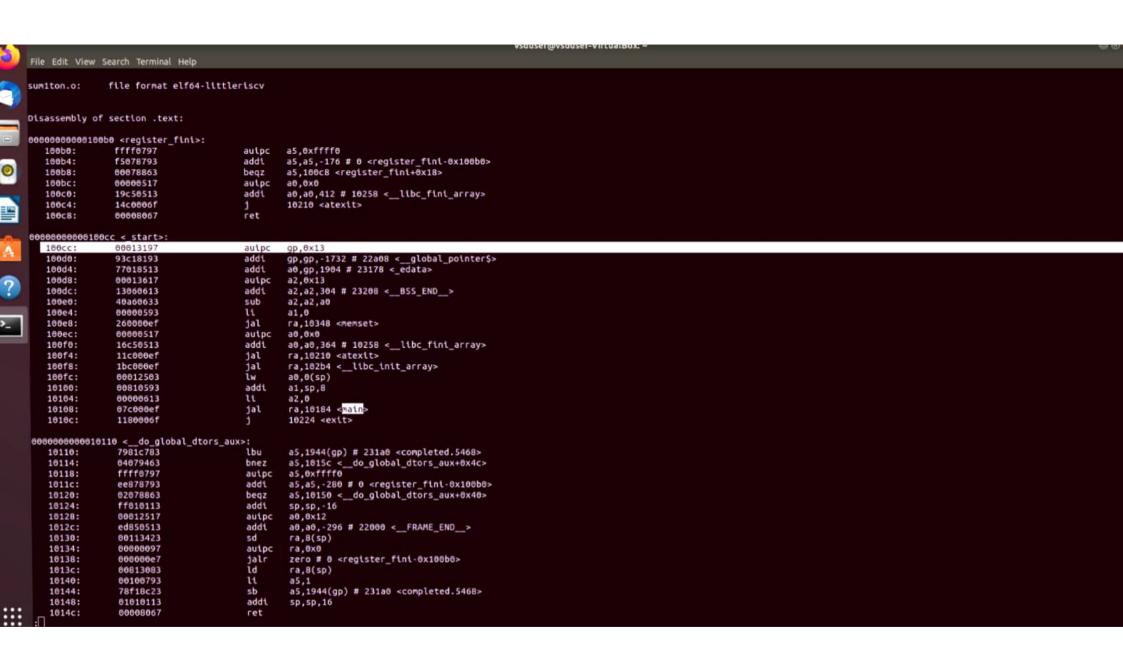
```
10000:
                TTTTU/9/
                                         autoc
                                                  as, extitte
   100b4:
                f5078793
                                                  a5,a5,-176 # 0 <register fini-0x100b0>
                                         addi
   100b8:
                80078863
                                         begz
                                                  a5,180c8 <register fini+0x18>
   100bc:
                86868517
                                         autpc
                                                  a0,0x0
   10000:
                19c58513
                                         addt
                                                  a0,a6,412 # 10258 < _libc_fini_array>
   10004:
                14c0006f
                                                  10210 <atexit>
                00008067
   100c8:
                                         ret
000000000000100cc <_start>:
   180cc:
                00013197
                                         autpc
                                                  gp, 0x13
   166d6:
                93c18193
                                          addt
                                                  gp,gp,-1732 # 22a08 < _global_pointer$>
   100d4:
                 77018513
                                          addt
                                                  a0,gp,1904 # 23178 < edata>
   100d8:
                 00013617
                                          autpc
                                                  a2,0x13
   100dc:
                 13060613
                                          addt
                                                  a2,a2,304 # 23208 < BSS_END_>
   100e0:
                 40a60633
                                          sub
                                                  a2,a2,a0
   100e4:
                 00000593
                                          11
                                                  a1,0
   100e8:
                 260000ef
                                          jal
                                                  ra,10348 <memset>
   100ec:
                 00000517
                                          autpc
                                                  a0,0x0
   188f8:
                 16c58513
                                          addt
                                                  a0,a0,364 # 10258 <_ libc_fini_array>
   100f4:
                 11c000ef
                                          jal
                                                  ra,18218 <atexit>
   100f8:
                 1bc000ef
                                          jal
                                                  ra,102b4 <__libc_init_array>
   100fc:
                 00012503
                                          Lw
                                                  a0,0(sp)
   10100:
                 00810593
                                          addi
                                                  a1,sp.8
                 00000613
   10104:
                                          u
                                                  a2,0
                 07c000ef
                                                  ra,10184 <math>
   10108:
                                          tal
                 1180006f
                                                  10224 <exit>
   1818c:
00000000000010110 <__do_global_dtors_aux>:
   10110:
                 7981c783
                                          lbu
                                                  a5,1944(gp) # 231a0 <completed.5468>
                                                  a5,1015c <__do_global_dtors_aux+0x4c>
   10114:
                 04079463
                                          bnez
   10118:
                 ffff6797
                                          autpc
                                                  a5,0xffffe
   1011c:
                 ee878793
                                          addi
                                                  a5,a5,-280 # 0 <register_fini-0x100b0>
   10120:
                 02078863
                                          begz
                                                  a5,10150 < _do_global_dtors_aux+0x40>
   10124:
                 ff010113
                                          addi
                                                  sp, sp, -16
   16128:
                 00012517
                                          autpc
                                                  a0,0x12
   1012c:
                 ed858513
                                          addi
                                                  a0,a0,-296 # 22000 <__FRAME_END_>
   10130:
                 00113423
                                          sd
                                                  ra,8(sp)
   10134:
                 60666697
                                          autpc
                                                  га, өхө
   10138:
                 666666e7
                                          jalr
                                                  zero # 0 <register_fini-0x100b0>
                                          ld
   1013c:
                 60813083
                                                  ra,8(sp)
    10140:
                 00100793
    10144:
                 78f18c23
                                                  a5,1944(gp) # 231a0 <completed.5468>
                                          sb
    10148:
                                          addi
                 01010113
                                                  sp,sp,16
    1014c:
                 80008067
                                          ret
```



```
File Edit View Search Terminal Help
               file format elf64-littleriscv
sumiton.o:
Disassembly of section .text:
000000000000100b0 <register fini>:
                ffff6797
                                         autpc
                                                 a5,0xffff0
                                         addt
                                                 a5,a5,-176 # 0 <register_fini-0x100b0>
                f5078793
   100b4:
                                                 a5,100c8 <register fini+0x18>
   186b8:
                00078863
                                         begz
                                         autpc
   100bc:
                 86868517
                                                 a0,a0,412 # 10258 <_ libc_fini_array>
   18808:
                 19c50513
                                         addt
                 14c0006f
                                                  10210 <atexit>
   100c4:
                                         ret
   100c8:
                 00008067
000000000000100cc < start>:
   100cc:
                00013197
                                         autpc
                                                 gp.0x13
                                                  gp,gp,-1732 # 22a08 < global_pointer$>
   100d0:
                 93c18193
   100d4:
                                          addt
                                                  a0,gp,1904 # 23178 < edata>
                 77018513
                                         autpc
                                                  a2,0x13
   100d8:
                 00013617
    100dc:
                 13060613
                                         addt
                                                  a2,a2,304 # 23208 < BSS END >
    100e0:
                 40a60633
                                         sub
                                                  a2,a2,a0
    188e4:
                 00000593
                                         11
                                                  a1,0
    100e8:
                 260000ef
                                          jal
                                                  ra,10348 <memset>
    100ec:
                 00000517
                                          autpc
                                                  a0.0x0
                                                  a0,a0,364 # 10258 < _ llbc_fini_array>
    160f0:
                 16c50513
                                          addi
                                                  ra,10210 <atexit>
    100f4:
                 11c000ef
                                          jal
                 1bc000ef
                                          jal
                                                  ra,102b4 <__libc_init_array>
    100f8:
                 00012503
                                          lw
                                                  a0,0(sp)
    100fc:
    10100:
                 00810593
                                          addi
                                                  a1,sp,8
    10104:
                 00000613
                                          li
                                                  a2,0
                                                  ra,10184 <main>
    10108:
                 07c000ef
                                          jal
                 1180006f
                                                  10224 <exit>
    1010c:
 00000000000010110 < do global_dtors_aux>:
                                                   a5,1944(gp) # 231a0 <completed.5468>
    10110:
                 7981c783
                                          lbu
    10114:
                 04079463
                                          bnez
                                                   a5,1815c < _do_global_dtors_aux+8x4c>
    10118:
                 ffff0797
                                                   a5,0xffff0
                                          autpc
    1811c:
                 ee878793
                                          addt
                                                   a5,a5,-280 # 0 <register_fini-0x100b0>
                                                   a5,10150 < _do_global_dtors_aux+0x40>
    10120:
                 02078863
                                          begz
    10124:
                 ff010113
                                          addi
                                                   sp, sp, -16
    16128:
                 00012517
                                          autpc
                                                   a0,0x12
                                                   a0,a0,-296 # 22000 < FRAME_END_>
    1012c:
                  ed850513
                                           addi
    10130:
                  00113423
                                           sd
                                                   ra,8(sp)
                  00000097
                                           autpc
    10134:
                                                   ra,0x0
                                                   zero # 0 <register_fini-0x100b0>
    10138:
                  000000e7
                                           jalr
                                           ld
    1013c:
                  00813083
                                                   ra,8(sp)
                                           11
    16148:
                  00100793
                                                   a5.1
                                                   a5,1944(gp) # 231a0 <completed.5468>
    10144:
                  78f18c23
                                           sb
    10148:
                  01010113
                                           addi
                                                   Sp. Sp. 16
     1814c:
                  00008067
                                           ret
```

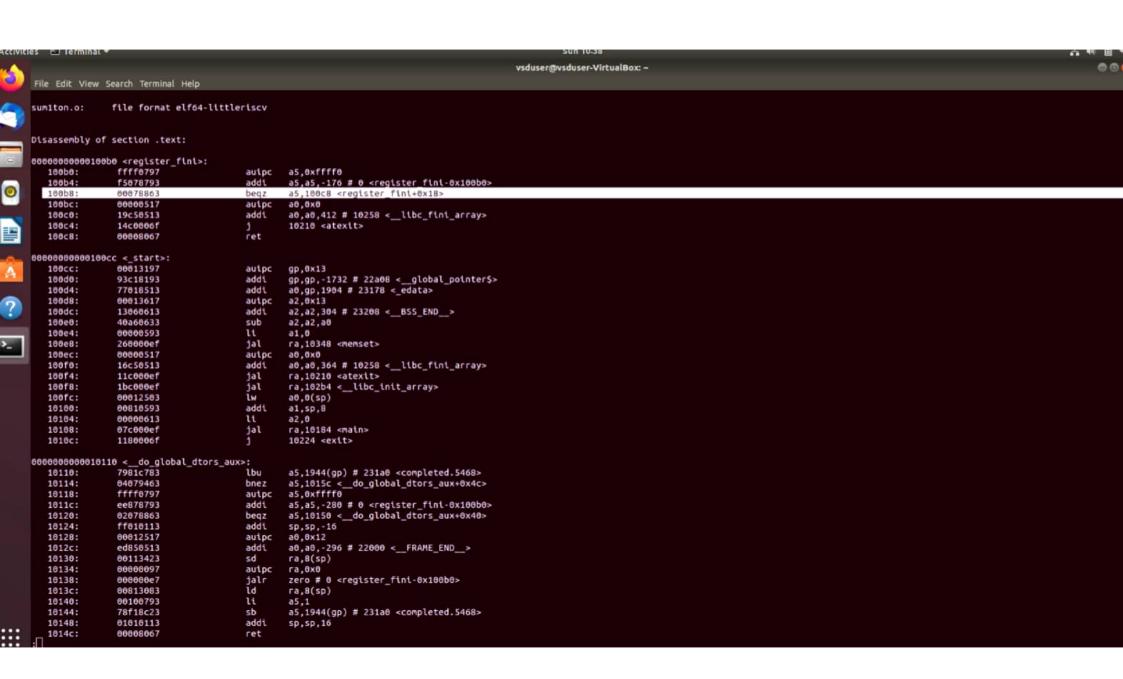
```
25413823
                                            54,592(sp)
                                            $5,584(sp)
84e8:
           25513423
                                    sd
                                            s7,568(sp)
34ec:
           23713c23
                                    sd
94f0:
           23813823
                                    sd
                                             s8,560(sp)
                                    sd
8414:
           23913423
                                             s9,552(sp)
           23a13623
                                    sd
                                             $10,544(sp)
04f8:
                                    sd
           21b13c23
                                             $11,536(sp)
04fc:
0500:
            00050413
                                    MV
                                             50,00
0504:
            02a13823
                                    sd
                                             a0,48(sp)
0508:
            364060ef
                                     ial
                                             ra,1686c < localeconv_r>
                                     ld
050c:
            00053783
                                             a5,0(a0)
10510:
            00078513
                                     MV
                                             a0, a5
10514:
            04f13c23
                                     sd
                                             a5,88(sp)
            68c080ef
                                     jal
                                             ra,18ba4 <strlen>
10518:
            64a13423
1051c:
                                     sd
                                             a0,72(sp)
10520:
            10013023
                                     sd
                                             zero, 256(sp)
             10013423
                                     sd
                                             zero, 264(sp)
10524:
10528:
             88848663
                                     begz
                                             s0,10534 < vfprintf_r+0x78>
1652c:
             05042783
                                     lw
                                              a5,80(s0)
10530:
             54078ee3
                                     begz
                                             a5,1128c <_vfprintf_r+0xdd0>
10534:
             00013703
                                      10
                                              a4,0(sp)
                                      lh
                                              a3,16(a4)
10538:
             01071683
1853c:
             03069793
                                      slli
                                              a5,a3,0x30
                                      srlt
10540:
             0307d793
                                              a5,a5,0x30
                                      sllt
10544:
             83279613
                                              a2,a5,0x32
10548:
             02064663
                                      bltz
                                              a2,10574 <_vfprintf_r+0xb8>
             0ac72603
                                              a2,172(a4)
1054c:
                                      LW
                                      lui
10550:
             666627b7
                                              a5,0x2
10554:
              00f6e7b3
                                              a5,a3,a5
                                      OF
                                      lut
10558:
              ffffe6b7
                                               a3,0xffffe
1055c:
              fff68693
                                      addi
                                               10560:
              00d676b3
                                      and
                                               a3,a2,a3
 10564:
              00f71823
                                      sh
                                               a5,16(a4)
 10568:
              03079793
                                      slli
                                               a5,a5,0x30
 1056C:
              0ad72623
                                      SW
                                               a3,172(a4)
 10570:
              0307d793
                                       srli
                                               a5,a5,0x30
 10574:
              6087f693
                                       andi
                                               a3, a5,8
 10578:
              14868463
                                       begz
                                               a3,106c0 < vfprintf_r+0x204>
              00013703
                                       ld
 1057c:
                                               a4,0(sp)
 10580:
              61873683
                                       ld
                                               a3,24(a4)
 10584:
               12068e63
                                       begz
                                               a3,106c0 <_vfprintf_r+0x204>
 10588:
               01a7f793
                                       andi
                                               a5, a5, 26
  1058c:
               00a00693
                                       11
                                               a3,10
  10590:
               14d78c63
                                       beq
                                               a5,a3,106e8 < vfprintf_r+0x22c>
  10594:
               19010793
                                       addt
                                               a5,sp,400
  10598:
               606b6d93
                                                511,56
                                       MV
  1059c:
               10f13823
                                        sd
                                                a5,272(sp)
  105a0:
               00078313
                                                t1,a5
                                        MV
  105a4:
                                        lbu
               000dc783
                                                a5,0(s11)
  105a8:
               12013023
                                        sd
                                                zero,288(sp)
                                                zero,280(sp)
  105ac:
               10012c23
```

```
sumiton.o:
               file format elf64-littleriscv
Disassembly of section .text:
000000000000100b0 <register_fini>:
  100b0:
                ffff0797
                                         autpc
                                                 a5,0xffff0
  100b4:
                f5078793
                                         addi
                                                 a5,a5,-176 # 0 <register fini-0x100b0>
  100b8:
                00078863
                                         begz
                                                 a5,100c8 <register_fini+0x18>
  100bc:
                00000517
                                         autpc
  100c0:
                19c50513
                                         addl
                                                 a0,a0,412 # 10258 < libc_fint_array>
  100c4:
                14c6866f
                                                 10210 <atexit>
  100c8:
                66668667
                                         ret
000000000000100cc <_start>:
                00013197
  188cc:
                                         autpc
                                                 gp,0x13
   100d0:
                93c18193
                                         addt
                                                 gp,gp,-1732 # 22a08 < _global_pointer$>
   188d4:
                77018513
                                         addt
                                                 a0,gp,1904 # 23178 < edata>
   100d8:
                00013617
                                         autpc
                                                 a2,0x13
   188dc:
                13060613
                                         addi
                                                 a2,a2,304 # 23208 < BSS END >
   100e0:
                40a60633
                                         sub
                                                 a2,a2,a0
                                         11
  100e4:
                00000593
                                                 a1,0
  100e8:
                260000ef
                                         jal
                                                 ra.18348 <memset>
   100ec:
                00000517
                                         autpc
   100f0:
                16c50513
                                         addi
                                                 a0,a0,364 # 10258 <_ libc_fini_array>
   100f4:
                11c000ef
                                         jal
                                                 ra,10210 <atexit>
   100f8:
                1bc000ef
                                         jal
                                                 ra,102b4 < _libc_init_array>
   100fc:
                00012503
                                          lw
                                                 a0,0(sp)
   10100:
                00810593
                                         addt
                                                 a1,sp,8
   18184:
                00000613
                                         11
                                                 a2,0
   10108:
                07c000ef
                                         jal
                                                 ra,10184 <main>
   1010c:
                1180006f
                                                  10224 <exit>
00000000000010110 < _do_global_dtors_aux>:
   10110:
                7981c783
                                          lbu
                                                  a5,1944(gp) # 231a0 <completed.5468>
   10114:
                04079463
                                                 a5,1015c < do global dtors aux+0x4c>
                                         bnez
   10118:
                ffff0797
                                         autpc
                                                 a5,0xffff0
   1811c:
                                          addt
                 ee878793
                                                  a5,a5,-280 # 0 <register_fini-0x100b0>
   18128:
                 02078863
                                          begz
                                                  a5,10150 < _do_global_dtors_aux+0x40>
   18124:
                 ff010113
                                          addt
                                                  sp.sp.-16
   10128:
                 00012517
                                          autpc
                                                  a0,0x12
   1012c:
                                          addt
                 ed850513
                                                  a0,a0,-296 # 22000 <__FRAME_END__>
                                          sd
   10130:
                 00113423
                                                  ra,8(sp)
   10134:
                 00000097
                                          autpc
                                                  га, 0х0
   10138:
                 000000e7
                                          jalr
                                                  zero # 0 <register_fini-0x100b0>
   1013c:
                 00813083
                                          ld
                                                  ra,8(sp)
   10140:
                 00100793
                                          11
                                                  a5,1
   10144:
                 78f18c23
                                          sb
                                                  a5,1944(gp) # 231a0 <completed.5468>
   10148:
                 01010113
                                          addi
                                                  sp,sp,16
   1014c:
                 00008067
                                          ret
```

0

```
274000ef
                                               ra,10468 <printf>
101f4:
                                      iı
101f8:
             00000793
                                               a5.0
                                               a0, a5
101fc:
             00078513
                                       MV
ld
10200:
             01813083
                                               ra,24(sp)
                                       ld
                                               s0,16(sp)
10204:
             01013403
10208:
             62010113
                                       addi
                                               sp, sp, 32
             66668667
                                       ret
1020c:
0000000015210 <atexit>:
             00050593
                                       MY
                                               a1,a0
10210:
                                               a3,0
10214:
             00000693
             00000613
                                               a2,0
10218:
                                               a0,0
             00000513
1021c:
                                               12e58 < _register_exitproc>
             4390206f
10220:
000000000010224 <exit>:
                                       addi
                                               sp.sp,-16
10224:
             ff010113
10228:
             00000593
                                       11
                                               a1,0
                                       sd
                                               58,8(sp)
1022c:
             00813023
             00113423
                                       sd
                                               ra,8(sp)
10230:
                                               s0, a0
             00050413
                                       MV
10234:
                                               ra,12f04 < _call_exitprocs>
10238:
             4cd628ef
                                       jal
                                               a5,gp,1864 # 23150 < global_impure_ptr>
                                       addi
1023c:
             74818793
                                               a0,0(a5)
                                       ld
16240:
             00075503
                                       ld
                                                a5,88(a0)
10244:
             05853783
                                               a5,10250 <exit+0x2c>
             00078463
                                       begz
10248:
                                       jalr
                                               a5
1024c:
              888788e7
10250:
              88648513
                                                a0,50
                                       jal
                                               ra,1f194 < exit>
              7410e0ef
10254:
00000000010258 <__libc_fini_array>:
              fe010113
                                       addt
                                                sp,sp,-32
10258:
                                       sd
                                                s0,16(sp)
              00813823
1025c:
                                                a5,0x12
10260:
              00012797
                                       autpc
                                       addi
                                                a5,a5,-576 # 22020 <_fini_array_end>
              dc078793
10264:
10268:
              60012417
                                       autpc
              db040413
                                       addi
                                                s0,s0,-592 # 22018 <__init_array_end>
1026c:
                                       sub
                                                a5, a5, s0
10270:
              408787b3
                                                $1,8(sp)
                                       sd
10274:
              00913423
                                       sd
                                                ra,24(sp)
10278:
              80113c23
                                                s1,a5,0x3
1027c:
              4037d493
                                       srat
                                                s1,102a0 <__libc_fini_array+0x48>
                                       beqz
              02048063
10280:
```

```
file format elf64-littleriscv
sumiton.o:
Disassembly of section .text:
00000000000100b0 <register fini>:
   100b0:
                ffff0797
                                         autpc
                                                 a5.0xffff0
   100b4:
                f5078793
                                                 a5,a5,-176 # 0 <register_fini-0x100b0>
                                         addt
   186b8:
                86878863
                                        begz
                                                 a5,100c8 <register_fini+0x18>
   100bc:
                86868517
                                        autpc
                                                 a0,0x0
   10000:
                19c50513
                                        addi
                                                 a0,a0,412 # 10258 < libc_fint_array>
                                                 10210 <atexit>
   100c4:
                14c0006f
                                        j
  100c8:
                60608067
                                        ret
000000000000100cc < start>:
  100cc:
                66613197
                                        autpc
                                                gp,0x13
                                                 gp,gp,-1732 # 22a08 <__global_pointer$>
  100d0:
                93c18193
                                        addt
  100d4:
                77018513
                                        addt
                                                 a0,gp,1904 # 23178 < edata>
  100d8:
               00013617
                                        autpc
                                                a2,0x13
  100dc:
               13060613
                                        addt
                                                 a2,a2,304 # 23208 < BSS END >
               40a60633
  100e0:
                                        sub
                                                 a2,a2,a0
  100e4:
               00000593
                                        11
                                                a1.0
  100e8:
               260000ef
                                        jal
                                                ra,10348 <memset>
               00000517
  100ec:
                                        autpc
                                                a0,0x0
  100f0:
               16c50513
                                        addt
                                                a0,a0,364 # 10258 <_libc_fint_array>
  100f4:
               11c000ef
                                        jal
                                                ra,10210 <atexit>
  100f8:
               1bc000ef
                                        jal
                                                ra,102b4 <__libc_init_array>
 188fc:
               00012503
                                        lw
                                                a0,0(sp)
 10100:
               00810593
                                        addi
                                                a1, sp,8
 10104:
               00000613
                                        11
                                                a2,0
 16168:
               07c000ef
                                       jal
                                                ra,10184 <main>
 1010c:
               1180006f
                                                10224 <exit>
000000000010110 <__do_global_dtors_aux>:
               7981c783
 10110:
                                       lbu
                                                a5,1944(gp) # 231a0 <completed.5468>
 10114:
               84879463
                                       bnez
                                                a5,1015c <__do_global_dtors_aux+0x4c>
 10118:
               ffff6797
                                       autpc
                                                a5,0xffff0
 1611c:
              ee878793
                                       addt
                                                a5,a5,-280 # 0 <register_fini-0x100b0>
 10120:
              02078863
                                       begz
                                                a5,10150 < _do_global_dtors_aux+0x40>
 10124:
              ff010113
                                       addi
                                               sp, sp, -16
 10128:
                                               a0,0x12
              00012517
                                       autpc
 1012c:
              ed850513
                                       addt
                                               a0,a0,-296 # 22000 <__FRAME_END_>
 10130:
              00113423
                                       sd
                                               ra,8(sp)
10134:
              00000097
                                       autpc
                                               га, 0х0
10138:
              000000e7
                                       falr
                                               zero # 0 <register_fini-0x100b0>
1013c:
              60813083
                                               ra,8(sp)
```



```
sumiton.o:
                file format elf64-littleriscv
Disassembly of section .text:
600000000000100b0 <register fini>:
   100b0:
                ffff6797
                                         autpc
                                                 a5,0xffff0
   100b4:
                f5078793
                                         addt
                                                 a5,a5,-176 # 0 <register fini-0x100b0>
   100b8:
                00078863
                                         beaz
                                                 a5,100c8 <register fini+0x18>
   188bc:
                00000517
                                         autpc
                                                 a0,0x0
   10000:
                19c50513
                                         addt
                                                 a0,a0,412 # 10258 < libc fint array>
   100c4:
                14c0006f
                                                 10210 <atexit>
  100c8:
                00008067
                                        ret
000000000000100cc <_start>:
  100cc:
                00013197
                                        autpc
                                                 gp,0x13
  100d0:
                93c18193
                                        addt
                                                 gp,gp,-1732 # 22a08 < global pointers>
  100d4:
               77618513
                                        addi
                                                 a0,gp,1904 # 23178 < edata>
  100d8:
               00013617
                                        autpc
  100dc:
               13060613
                                        addt
                                                a2,a2,304 # 23208 < BSS END >
  100e0:
               40a60633
                                        sub
                                                a2,a2,a0
  188e4:
               00000593
                                        11
                                                a1,0
  100e8:
               260000ef
                                        jal
                                                ra,10348 <memset>
  100ec:
               00000517
                                        autpo
                                                8x0,06
  100f0:
               16c50513
                                                a0,a0,364 # 10258 <__libc_fini_array>
                                        addt
  100f4:
               11c000ef
                                        jal
                                                ra,10210 <atexit>
  100f8:
               1bc000ef
                                        jal
                                                ra,102b4 <__libc_init_array>
 100fc:
               00012503
                                        lw
                                                a0,0(sp)
 10100:
               00810593
                                        addi
                                                a1,sp,8
 16164:
               00000613
                                        li
                                                a2,0
 10108:
               07c000ef
                                        jal
                                                ra,10184 <main>
 1818c:
               1188886f
                                                10224 <exit>
000000000010110 <__do_global_dtors_aux>:
 10110:
               7981c783
                                       lbu
                                                a5,1944(gp) # 231a0 <completed.5468>
 10114:
               04079463
                                                a5,1015c <__do_global_dtors_aux+0x4c>
                                       bnez
 10118:
               ffff0797
                                       autpc
                                                a5.0xffff0
 1011c:
              ee878793
                                       addi
                                                a5,a5,-280 # 0 <register_fini-0x100b0>
 10120:
              02078863
                                       begz
                                                a5,10150 <__do_global_dtors_aux+0x40>
 10124:
              ff010113
                                       addi
                                                sp, sp, -16
 10128:
              00012517
                                       autpc
                                               a0,0x12
1012c:
              ed850513
                                       addi
                                                a0,a0,-296 # 22000 < FRAME END >
10130:
              00113423
                                       sd
                                               ra,8(sp)
```

10134:

60000097

autoc

Fa.0x0

```
sum1ton.o:
               file format elf64-littleriscv
Disassembly of section .text:
000000000000100b0 <register_fini>:
                ffff6797
  100b0:
                                         autpc
                                                 a5,0xffff0
  100b4:
                f5078793
                                         addi
                                                 a5,a5,-176 # 0 <register fini-0x100b0>
  100b8:
                                                 a5,100c8 <register fini+0x18>
                00078863
                                         begz
  100bc:
                00000517
                                         autpc
  10000:
                19c50513
                                         addi
                                                 a0,a0,412 # 10258 <__libc_fint_array>
  100c4:
                14c0000f
                                                 10210 <atexit>
  100c8:
                00008067
                                         ret
0000000000000100cc < start>:
  100cc:
                00013197
                                         autpc
                                                 qp.0x13
  100d0:
                93c18193
                                         addi
                                                 gp,gp,-1732 # 22a08 < _global_pointer$>
  100d4:
                                         addi
                77018513
                                                 a0,gp,1984 # 23178 < edata>
  188d8:
                66613617
                                                 a2,0x13
                                         autpc
                                         addt
  100dc:
                13666613
                                                 a2,a2,304 # 23208 < BSS END >
                                                 a2,a2,a0
  100e0:
                40a60633
                                         sub
  100e4:
                00000593
                                         11
                                                 a1,6
  100e8:
                                                 ra,10348 <memset>
                260000ef
                                         jal
  100ec:
                00000517
                                         autpo
                                                 a0,6x0
                                         addt
  100f0:
                                                 a0,a0,364 # 10258 < libc fini array>
                16c50513
  100f4:
                11c000ef
                                         jal
                                                 ra,18218 <atexit>
  160f8:
                1bc000ef
                                         jal
                                                 ra,102b4 < _libc_init_array>
                                         Lw
  100fc:
                00012503
                                                 aθ,θ(sp)
                                        addt
                                                 a1,sp,8
  10100:
                00810593
  10104:
                00000613
                                        11
                                                 a2,0
                                         jal
                                                 ra,10184 <main>
  10108:
                07c000ef
  1010c:
                1180006f
                                                 10224 <exit>
00000000000010110 <__do_global_dtors_aux>:
               7981c783
                                         lbu
                                                 a5,1944(gp) # 231a0 <completed.5468>
  10110:
  10114:
               04079463
                                        bnez
                                                 a5,1815c < _do_global_dtors_aux+0x4c>
  10118:
               ffff0797
                                        autpc
                                                 a5.0xffff0
                                                 a5,a5,-280 # 0 <register_fini-0x100b0>
  1011c:
               ee878793
                                        addi
  10120:
               02078863
                                        begz
                                                a5,10150 < do global dtors aux+0x40>
 10124:
               ff010113
                                                 sp.sp,-16
                                         addi
                                                 a0,0x12
  10128:
               00012517
                                        autpc
  1012c:
               ed850513
                                        addi
                                                 a0,a0,-296 # 22000 < FRAME_END_>
                                                 ra,8(sp)
  10130:
               00113423
                                        sd
  10134:
               00000097
                                        autpc
                                                 га, 0х0
                                                 zero # 0 <register_fini-0x100b0>
  10138:
               000000e7
                                        jalr
                                        ld
                                                 ra,8(sp)
  1013c:
               00813083
  10140:
               66166793
                                        li
  16144:
               78f18c23
                                        sb
                                                 a5,1944(gp) # 231a0 <completed.5468>
                                        addt
                                                 sp, sp, 16
  10148:
               01010113
 1014c:
               00008067
                                        ret
```

```
sumiton.o:
                file format elf64-littleriscy
Disassembly of section .text:
000000000000100b0 <register fini>:
   100b0:
                 ffff0797
                                          autpc
                                                  a5,0xffff0
   100b4:
                 f5078793
                                          addi
                                                  a5,a5,-176 # 0 <register_fini-0x100b0>
   100b8:
                60678863
                                          begz
                                                  a5,100c8 <register_fini+0x18>
   100bc:
                00000517
                                          autpc
                                                  a0,0x0
                                          addi
                                                  a0,a0,412 # 10258 < libc fint array>
   100c0:
                19c50513
   100c4:
                14c0006f
                                                  10210 <atexit>
   10008:
                00008067
                                          ret
000000000000100cc <_start>:
   100cc:
                00013197
                                         autpc
                                                 gp,gp,-1732 # 22a08 <__global_pointer$>
a0,gp,1904 # 23178 <_edata>
   100d0:
                93c18193
                                         addt
   100d4:
                77618513
                                         addi
   100d8:
                00013617
                                         autpc
                                                 a2,0x13
                                         addi
                                                  a2,a2,304 # 23208 < _BSS_END_>
  100dc:
                13060613
                                                  a2,a2,a0
  100e0:
                40a60633
                                         sub
  100e4:
                00000593
                                         11
                                                  a1.0
  100e8:
                260000ef
                                         jal
                                                  ra.10348 <memset>
                86868517
  100ec:
                                         autpc
                                                  a0,0x0
  160f0:
                16C50513
                                         addi
                                                  a0,a0,364 # 10258 <__libc_fini_array>
  100f4:
                11c000ef
                                         jal
                                                  ra,10210 <atexit>
  100f8:
                                         jal
                                                  ra,102b4 <__libc_init_array>
                1bc000ef
  100fc:
                66612563
                                         Lw
                                                  aθ,θ(sp)
                                         addi
  10100:
                00810593
                                                 a1,sp,8
                                         11
                                                 a2,0
  10104:
                00000613
  10108:
                07c000ef
                                         jal
                                                 ra,10184 <main>
  1010c:
                1180006f
                                                 10224 <exit>
00000000000010110 <__do_global_dtors_aux>:
  10110:
                7981c783
                                         lbu
                                                 a5,1944(gp) # 231a0 <completed.5468>
                                                 a5,1015c <_ do_global_dtors_aux+0x4c>
  10114:
                64079463
                                         bnez
  10118:
                ffff0797
                                         autpc
                                                 a5,0xffff0
 1011c:
               ee878793
                                         addi
                                                 a5,a5,-280 # 0 <register_fini-0x100b0>
                                                 a5,10150 < _do_global_dtors_aux+0x40>
 18120:
               02078863
                                         begz
                                         addt
 10124:
               ff010113
                                                 Sp. Sp. - 16
 10128:
               00012517
                                         autpc
                                                 a0,0x12
                                                 an an -296 # 22000 <
                                                                       FRAME END
```