

```

00000:      ffffff      auipc    a5,0xfffff
100b4:      f5078793    addi     a5,a5,-176 # 0 <register_fini-0x100b0>
100b8:      00078863    beqz    a5,100c8 <register_fini+0x18>
100bc:      00000517    auipc    a0,0x0
100c0:      19c50513    addi     a0,a0,412 # 10258 <__libc_fini_array>
100c4:      14c0006f      j       10210 <atexit>
100c8:      00008067      ret

00000000000100cc <_start>:
100cc:      00013197      auipc    gp,0x13
100d0:      93c18193      addi     gp,gp,-1732 # 22a08 <__global_pointer$>
100d4:      77018513      addi     a0,gp,1904 # 23178 <_edata>
100d8:      00013617      auipc    a2,0x13
100dc:      13000613      addi     a2,a2,304 # 23208 <__BSS_END__>
100e0:      40a00633      sub      a2,a2,a0
100e4:      00000593      li       a1,0
100e8:      260000ef      jal      ra,10348 <memset>
100ec:      00000517      auipc    a0,0x0
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      addi     a1,sp,8
10104:      00000613      li       a2,0
10108:      07c000ef      jal      ra,10184 <main>
1010c:      1180006f      j       10224 <exit>

0000000000010110 <__do_global_dtors_aux>:
10110:      7981c783      lbu      a5,1944(gp) # 231a0 <completed.5468>
10114:      04079463      bnez     a5,1015c <__do_global_dtors_aux+0x4c>
10118:      ffff0797      auipc    a5,0xfffff0
1011c:      ee878793      addi     a5,a5,-280 # 0 <register_fini-0x100b0>
10120:      02078863      beqz     a5,10150 <__do_global_dtors_aux+0x40>
10124:      ff010113      addi     sp,sp,-16
10128:      00012517      auipc    a0,0x12
1012c:      ed850513      addi     a0,a0,-296 # 22000 <__FRAME_END__>
10130:      00113423      sd       ra,8(sp)
10134:      00000097      auipc    ra,0x0
10138:      000000e7      jalr     zero # 0 <register_fini-0x100b0>
1013c:      00813083      ld       ra,8(sp)
10140:      00100793      li       a5,1
10144:      78f18c23      sb       a5,1944(gp) # 231a0 <completed.5468>
10148:      01010113      addi     sp,sp,16
1014c:      00008067      ret

```



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sumiton.o: file format elf64-littleriscv

Disassembly of section .text:

000000000100b0 <register_fini>:

100b0:	ffff0797	auipc	a5,0xfffff0
100b4:	f5078793	addi	a5,a5,-176 # 0 <register_fini-0x100b0>
100b8:	00078863	beqz	a5,100c8 <register_fini+0x18>
100bc:	00000517	auipc	a0,0x0
100c0:	19c50513	addi	a0,a0,412 # 10258 <__libc_fini_array>
100c4:	14c0006f	j	10210 <atexit>
100c8:	00008067	ret	

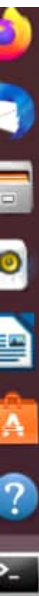
000000000100cc <start>:

100cc:	00013197	auipc	gp,0x13
100d0:	93c18193	addi	gp,gp,-1732 # 22a08 <__global_pointer\$>
100d4:	77018513	addi	a0,gp,1904 # 23178 <_edata>
100d8:	00013617	auipc	a2,0x13
100dc:	13060613	addi	a2,a2,304 # 23208 <__BSS_END__>
100e0:	40a60633	sub	a2,a2,a0
100e4:	00000593	li	a1,0
100e8:	260000ef	jal	ra,10348 <memset>
100ec:	00000517	auipc	a0,0x0
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	addi	a1,sp,8
10104:	00000613	li	a2,0
10108:	07c000ef	jal	ra,10184 <main>
1010c:	1180006f	j	10224 <exit>

00000000010110 <__do_global_dtors_aux>:

10110:	7981c783	lbu	a5,1944(gp) # 231a0 <completed.5468>
10114:	04079463	bnez	a5,1015c <__do_global_dtors_aux+0x4c>
10118:	ffff0797	auipc	a5,0xfffff0
1011c:	ee878793	addi	a5,a5,-280 # 0 <register_fini-0x100b0>
10120:	02078863	beqz	a5,10150 <__do_global_dtors_aux+0x40>
10124:	ff010113	addi	sp,sp,-16
10128:	00012517	auipc	a0,0x12
1012c:	ed850513	addi	a0,a0,-296 # 22000 <__FRAME_END__>
10130:	00113423	sd	ra,8(sp)
10134:	00000097	auipc	ra,0x0
10138:	000000e7	jalr	zero # 0 <register_fini-0x100b0>
1013c:	00813083	ld	ra,8(sp)
10140:	00100793	li	a5,1
10144:	78f18c23	sb	a5,1944(gp) # 231a0 <completed.5468>
10148:	01010113	addi	sp,sp,16
1014c:	00008067	ret	





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sumiton.o: file format elf64-littleriscv

Disassembly of section .text:

000000000100b0 <register_fini>:

100b0:	ffff0797	auipc	a5,0xfffff0
100b4:	f5078793	addi	a5,a5,-176 # 0 <register_fini-0x100b0>
100b8:	00078863	beqz	a5,100c8 <register_fini+0x18>
100bc:	00000517	auipc	a0,0x0
100c0:	19c50513	addi	a0,a0,412 # 10258 <__libc_fini_array>
100c4:	14c0006f	j	10210 <atexit>
100c8:	00008067	ret	

000000000100cc <_start>:

100cc:	00013197	auipc	gp,0x13
100d0:	93c18193	addi	gp,gp,-1732 # 22a08 <global_pointer\$>
100d4:	77010513	addi	a0,gp,1904 # 23178 <_edata>
100d8:	00013617	auipc	a2,0x13
100dc:	13060613	addi	a2,a2,304 # 23208 <__BSS_END__>
100e0:	40a60633	sub	a2,a2,a0
100e4:	00000593	li	a1,0
100e8:	260000ef	jal	ra,10348 <memset>
100ec:	00000517	auipc	a0,0x0
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	addi	a1,sp,8
10104:	00000613	li	a2,0
10108:	07c000ef	jal	ra,10184 <main>
1010c:	1180006f	j	10224 <exit>

00000000010110 <__do_global_dtors_aux>:

10110:	7981c783	lbu	a5,1944(gp) # 231a0 <completed.5468>
10114:	04079463	bnez	a5,1015c <__do_global_dtors_aux+0x4c>
10118:	ffff0797	auipc	a5,0xfffff0
1011c:	ee878793	addi	a5,a5,-280 # 0 <register_fini-0x100b0>
10120:	02078863	beqz	a5,10150 <__do_global_dtors_aux+0x40>
10124:	ff010113	addi	sp,sp,-16
10128:	00012517	auipc	a0,0x12
1012c:	ed850513	addi	a0,a0,-296 # 22000 <__FRAME_END__>
10130:	00113423	sd	ra,8(sp)
10134:	00000097	auipc	ra,0x0
10138:	000000e7	jalr	zero # 0 <register_fini-0x100b0>
1013c:	00813083	ld	ra,8(sp)
10140:	00100793	li	a5,1
10144:	78f18c23	sb	a5,1944(gp) # 231a0 <completed.5468>
10148:	01010113	addi	sp,sp,16
1014c:	00008067	ret	



```

04e4: 25413823 sd s4,592(sp)
04e8: 25513423 sd s5,584(sp)
04ec: 23713c23 sd s7,568(sp)
04f0: 23813823 sd s8,560(sp)
04f4: 23913423 sd s9,552(sp)
04f8: 23a13023 sd s10,544(sp)
04fc: 21b13c23 sd s11,536(sp)
0500: 00050413 mv s0,a0
0504: 02a13823 sd a0,48(sp)
0508: 364060ef jal ra,1686c <_localeconv_r>
050c: 00053783 ld a5,0(a0)
0510: 00078513 mv a0,a5
0514: 04f13c23 sd a5,88(sp)
0518: 08c080ef jal ra,18ba4 <strlen>
051c: 04a13423 sd a0,72(sp)
0520: 10013023 sd zero,256(sp)
0524: 10013423 sd zero,264(sp)
0528: 00040663 beqz s0,10534 <_vfprintf_r+0x78>
052c: 05042783 lw a5,80(s0)
0530: 54078ee3 beqz a5,1128c <_vfprintf_r+0xdd0>
0534: 00013703 ld a4,0(sp)
0538: 01071683 lh a3,16(a4)
053c: 03069793 slli a5,a3,0x30
0540: 0307d793 srli a5,a5,0x30
0544: 03279613 slli a2,a5,0x32
0548: 02064663 bltz a2,10574 <_vfprintf_r+0xb8>
054c: 0ac72603 lw a2,172(a4)
0550: 000027b7 lui a5,0x2
0554: 00f6e7b3 or a5,a3,a5
0558: fffff6b7 lui a3,0xfffffe
055c: fff68693 addi a3,a3,-1 # ffffffffdfdf <__BSS_END__+0xffffffffdadf7>
0560: 00d676b3 and a3,a2,a3
0564: 00f71823 sh a5,16(a4)
0568: 03079793 slli a5,a5,0x30
056c: 0ad72623 sw a3,172(a4)
0570: 0307d793 srli a5,a5,0x30
0574: 0087f693 andi a3,a5,8
0578: 14068463 beqz a3,106c0 <_vfprintf_r+0x204>
057c: 00013703 ld a4,0(sp)
0580: 01873683 ld a3,24(a4)
0584: 12068e63 beqz a3,106c0 <_vfprintf_r+0x204>
0588: 01a7f793 andi a5,a5,26
058c: 00a00693 li a3,10
0590: 14d78c63 beq a5,a3,106e8 <_vfprintf_r+0x22c>
0594: 19010793 addi a5,sp,400
0598: 000b0d93 mv s11,s6
059c: 10f13823 sd a5,272(sp)
05a0: 00078313 mv t1,a5
05a4: 000dc783 lbu a5,0(s11)
05a8: 12013023 sd zero,288(sp)
05ac: 10012c23 sw zero,280(sp)

```


sumiton.o: file format elf64-littleriscv

Disassembly of section .text:

000000000100b0 <register_fini>:

100b0:	ffff0797	auipc	a5,0xffff0
100b4:	f5078793	addi	a5,a5,-176 # 0 <register_fini-0x100b0>
100b8:	00078863	beqz	a5,100c8 <register_fini+0x18>
100bc:	00000517	auipc	a0,0x0
100c0:	19c50513	addi	a0,a0,412 # 10258 <__libc_fini_array>
100c4:	14c0006f	j	10210 <atexit>
100c8:	00008067	ret	

000000000100cc <_start>:

100cc:	00013197	auipc	gp,0x13
100d0:	93c18193	addi	gp,gp,-1732 # 22a08 <__global_pointer\$>
100d4:	77018513	addi	a0,gp,1904 # 23178 <_edata>
100d8:	00013617	auipc	a2,0x13
100dc:	13060613	addi	a2,a2,304 # 23208 <__BSS_END__>
100e0:	40a60633	sub	a2,a2,a0
100e4:	00000593	li	a1,0
100e8:	260000ef	jal	ra,10348 <memset>
100ec:	00000517	auipc	a0,0x0
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	addi	a1,sp,8
10104:	00000613	li	a2,0
10108:	07c000ef	jal	ra,10184 <main>
1010c:	1180006f	j	10224 <exit>

00000000010110 <__do_global_dtors_aux>:

10110:	7981c783	lbu	a5,1944(gp) # 231a0 <completed.5468>
10114:	04079463	bnez	a5,1015c <__do_global_dtors_aux+0x4c>
10118:	ffff0797	auipc	a5,0xffff0
1011c:	ee878793	addi	a5,a5,-280 # 0 <register_fini-0x100b0>
10120:	02078863	beqz	a5,10150 <__do_global_dtors_aux+0x40>
10124:	ff010113	addi	sp,sp,-16
10128:	00012517	auipc	a0,0x12
1012c:	ed850513	addi	a0,a0,-296 # 22000 <__FRAME_END__>
10130:	00113423	sd	ra,8(sp)
10134:	00000097	auipc	ra,0x0
10138:	000000e7	jalr	zero # 0 <register_fini-0x100b0>
1013c:	00813083	ld	ra,8(sp)
10140:	00100793	li	a5,1
10144:	78f18c23	sb	a5,1944(gp) # 231a0 <completed.5468>
10148:	01010113	addi	sp,sp,16
1014c:	00008067	ret	



```

101f4:    274000ef    jal    ra,10468 <printf>
101f8:    00000793    li     a5,0
101fc:    00078513    mv     a0,a5
10200:    01813083    ld     ra,24(sp)
10204:    01013403    ld     s0,16(sp)
10208:    02010113    addi   sp,sp,32
1020c:    00008067    ret

0000000010210 <atexit>:
10210:    00050593    mv     a1,a0
10214:    00000693    li     a3,0
10218:    00000613    li     a2,0
1021c:    00000513    li     a0,0
10220:    4390206f    j      12e58 <__register_exitproc>

0000000010224 <exit>:
10224:    ff010113    addi   sp,sp,-16
10228:    00000593    li     a1,0
1022c:    00813023    sd     s0,0(sp)
10230:    00113423    sd     ra,8(sp)
10234:    00050413    mv     s0,a0
10238:    4cd020ef    jal    ra,12f04 <__call_exitprocs>
1023c:    74818793    addi   a5,gp,1864 # 23150 <_global_impure_ptr>
10240:    0007b503    ld     a0,0(a5)
10244:    05853783    ld     a5,88(a0)
10248:    00078463    beqz   a5,10250 <exit+0x2c>
1024c:    000780e7    jalr   a5
10250:    00040513    mv     a0,s0
10254:    7410e0ef    jal    ra,1f194 <_exit>

0000000010258 <__libc_fini_array>:
10258:    fe010113    addi   sp,sp,-32
1025c:    00813823    sd     s0,16(sp)
10260:    00012797    auipc  a5,0x12
10264:    dc078793    addi   a5,a5,-576 # 22020 <__fini_array_end>
10268:    00012417    auipc  s0,0x12
1026c:    db040413    addi   s0,s0,-592 # 22018 <__init_array_end>
10270:    408787b3    sub    a5,a5,s0
10274:    00913423    sd     s1,8(sp)
10278:    00113c23    sd     ra,24(sp)
1027c:    4037d493    srai   s1,a5,0x3
10280:    02048063    beqz   s1,102a0 <__libc_fini_array+0x48>
10284:    ff078793    addi   a5,a5,-8

```



sumiton.o: file format elf64-littleriscv

Disassembly of section .text:

0000000000100b0 <register_fini>:

```
100b0: ffff0797 aulpc a5,0xfffff0
100b4: f5078793 addi a5,a5,-176 # 0 <register_fini-0x100b0>
100b8: 00078863 beqz a5,100c8 <register_fini+0x18>
100bc: 00000517 aulpc a0,0x0
100c0: 19c50513 addi a0,a0,412 # 10258 <__libc_fini_array>
100c4: 14c0006f j 10210 <atexit>
100c8: 00008067 ret
```

0000000000100cc <_start>:

```
100cc: 00013197 aulpc gp,0x13
100d0: 93c18193 addi gp,gp,-1732 # 22a08 <__global_pointer$>
100d4: 77018513 addi a0,gp,1904 # 23178 <_edata>
100d8: 00013617 aulpc a2,0x13
100dc: 13060613 addi a2,a2,304 # 23208 <__BSS_END__>
100e0: 40a60633 sub a2,a2,a0
100e4: 00000593 li a1,0
100e8: 260000ef jal ra,10348 <memset>
100ec: 00000517 aulpc a0,0x0
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: 00010593 addi a1,sp,8
10104: 00000613 li a2,0
10108: 07c000ef jal ra,10184 <main>
1010c: 1180006f j 10224 <exit>
```

000000000010110 <__do_global_dtors_aux>:

```
10110: 7981c783 lbu a5,1944(gp) # 231a0 <completed.5468>
10114: 04079463 bnez a5,1015c <__do_global_dtors_aux+0x4c>
10118: ffff0797 aulpc a5,0xfffff0
1011c: ee878793 addi a5,a5,-280 # 0 <register_fini-0x100b0>
10120: 02078863 beqz a5,10150 <__do_global_dtors_aux+0x40>
10124: ff010113 addi sp,sp,-16
10128: 00012517 aulpc a0,0x12
1012c: ed850513 addi a0,a0,-296 # 22000 <__FRAME_END__>
10130: 00113423 sd ra,8(sp)
10134: 00000097 aulpc ra,0x0
10138: 000000e7 jalr zero # 0 <register_fini-0x100b0>
1013c: 00813083 ld ra,8(sp)
```



```
Activities  Terminal  Sun 10:38
vsduser@vsduser-VirtualBox: ~

sumiton.o:  file format elf64-littlelscv

Disassembly of section .text:

0000000000100b0 <register_fini>:
100b0:  ffff0797      auiopc a5,0xffff0
100b4:  f5078793      addi  a5,a5,-176 # 0 <register_fini-0x100b0>
100b8:  00078863      beqz  a5,100c8 <register_fini+0x18>
100bc:  00000517      auiopc a0,0x0
100c0:  19c50513      addi  a0,a0,412 # 10258 <__libc_fini_array>
100c4:  14c0000f      j     10210 <atexit>
100c8:  00008067      ret

0000000000100cc <_start>:
100cc:  00013197      auiopc gp,0x13
100d0:  93c18193      addi  gp,gp,-1732 # 22a08 <__global_pointer$>
100d4:  77018513      addi  a0,gp,1904 # 23178 <_edata>
100d8:  00013617      auiopc a2,0x13
100dc:  13060613      addi  a2,a2,304 # 23208 <__BSS_END__>
100e0:  40a60633      sub   a2,a2,a0
100e4:  00000593      li    a1,0
100e8:  260000ef      jal   ra,10348 <nemset>
100ec:  00000517      auiopc a0,0x0
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      addi  a1,sp,8
10104:  00000613      li    a2,0
10108:  07c000ef      jal   ra,10184 <main>
1010c:  1180006f      j     10224 <exit>

000000000010110 <__do_global_dtors_aux>:
10110:  7981c783      lbu   a5,1944(gp) # 231a0 <completed.5468>
10114:  04079463      bnez  a5,1015c <__do_global_dtors_aux+0x4c>
10118:  ffff0797      auiopc a5,0xffff0
1011c:  ee878793      addi  a5,a5,-280 # 0 <register_fini-0x100b0>
10120:  02078863      beqz  a5,10150 <__do_global_dtors_aux+0x40>
10124:  ff010113      addi  sp,sp,-16
10128:  00012517      auiopc a0,0x12
1012c:  ed850513      addi  a0,a0,-296 # 22000 <__FRAME_END__>
10130:  00113423      sd    ra,8(sp)
10134:  00000097      auiopc ra,0x0
10138:  000000e7      jalr  zero # 0 <register_fini-0x100b0>
1013c:  00813083      ld    ra,8(sp)
10140:  00100793      li    a5,1
10144:  78f18c23      sb    a5,1944(gp) # 231a0 <completed.5468>
10148:  01010113      addi  sp,sp,16
1014c:  00008067      ret
```



sumiton.o: file format elf64-littlelscv

Disassembly of section .text:

0000000000100b0 <register_fini>:

```
100b0: ffff0797 aulpc a5,0xfffff0
100b4: f5078793 addl a5,a5,-176 # 0 <register_fini-0x100b0>
100b8: 00078863 beqz a5,100c8 <register_fini+0x18>
100bc: 00000517 aulpc a0,0x0
100c0: 19c50513 addl a0,a0,412 # 10258 <__libc_fini_array>
100c4: 14c0006f j 10210 <atexit>
100c8: 00008067 ret
```

0000000000100cc <_start>:

```
100cc: 00013197 aulpc gp,0x13
100d0: 93c18193 addl gp,gp,-1732 # 22a08 <__global_pointer$>
100d4: 77018513 addl a0,gp,1904 # 23178 <_edata>
100d8: 00013617 aulpc a2,0x13
100dc: 13060613 addl a2,a2,304 # 23208 <__BSS_END__>
100e0: 40a60633 sub a2,a2,a0
100e4: 00000593 ll a1,0
100e8: 260000ef jal ra,10348 <nemset>
100ec: 00000517 aulpc a0,0x0
100f0: 16c50513 addl 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: 00010593 addl a1,sp,8
10104: 00000613 ll a2,0
10108: 07c000ef jal ra,10184 <main>
1010c: 1180006f j 10224 <exit>
```

000000000010110 <__do_global_dtors_aux>:

```
10110: 7981c783 lbu a5,1944(gp) # 231a0 <completed.5468>
10114: 04079463 bnez a5,1015c <__do_global_dtors_aux+0x4c>
10118: ffff0797 aulpc a5,0xfffff0
1011c: ee878793 addl a5,a5,-280 # 0 <register_fini-0x100b0>
10120: 02078863 beqz a5,10150 <__do_global_dtors_aux+0x40>
10124: ff010113 addi sp,sp,-16
10128: 00012517 aulpc a0,0x12
1012c: ed850513 addl a0,a0,-296 # 22000 <__FRAME_END__>
10130: 00113423 sd ra,8(sp)
10134: 00000097 aulpc ra,0x0
```



sumiton.o: file format elf64-littleriscv

Disassembly of section .text:

000000000100b0 <register_fini>:

```
100b0: ffff0797 aulpc a5,0xfffff0
100b4: f5078793 addi a5,a5,-176 # 0 <register_fini-0x100b0>
100b8: 00078863 beqz a5,100c8 <register_fini+0x18>
100bc: 00000517 aulpc a0,0x0
100c0: 19c50513 addi a0,a0,412 # 10258 <__libc_fini_array>
100c4: 14c0006f j 10210 <atexit>
100c8: 00008067 ret
```

000000000100cc <_start>:

```
100cc: 00013197 aulpc gp,0x13
100d0: 93c18193 addi gp,gp,-1732 # 22a08 <__global_pointer$>
100d4: 77018513 addi a0,gp,1904 # 23178 <_edata>
100d8: 00013617 aulpc a2,0x13
100dc: 13060613 addi a2,a2,304 # 23208 <__BSS_END__>
100e0: 40a60633 sub a2,a2,a0
100e4: 00000593 li a1,0
100e8: 260000ef jal ra,10348 <memset>
100ec: 00000517 aulpc a0,0x0
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: 00010593 addi a1,sp,8
10104: 00000613 li a2,0
10108: 07c000ef jal ra,10184 <main>
1010c: 1180006f j 10224 <exit>
```

00000000010110 <__do_global_dtors_aux>:

```
10110: 7981c783 lbu a5,1944(gp) # 231a0 <completed.5468>
10114: 04079463 bnez a5,1015c <__do_global_dtors_aux+0x4c>
10118: ffff0797 aulpc a5,0xfffff0
1011c: ee878793 addi a5,a5,-280 # 0 <register_fini-0x100b0>
10120: 02078863 beqz a5,10150 <__do_global_dtors_aux+0x40>
10124: ff010113 addi sp,sp,-16
10128: 00012517 aulpc a0,0x12
1012c: ed850513 addi a0,a0,-296 # 22000 <__FRAME_END__>
10130: 00113423 sd ra,8(sp)
10134: 00000097 aulpc ra,0x0
10138: 000000e7 jalr zero # 0 <register_fini-0x100b0>
1013c: 00013083 ld ra,8(sp)
10140: 00100793 li a5,1
10144: 78f18c23 sb a5,1944(gp) # 231a0 <completed.5468>
10148: 01010113 addi sp,sp,16
1014c: 00008067 ret
```



sumiton.o: file format elf64-littleriscv

Disassembly of section .text:

0000000000100b0 <register_fini>:

100b0:	ffff0797	auipc	a5,0xfffff0
100b4:	f5078793	addi	a5,a5,-176 # 0 <register_fini-0x100b0>
100b8:	00078863	beqz	a5,100c8 <register_fini+0x18>
100bc:	00000517	auipc	a0,0x0
100c0:	19c50513	addi	a0,a0,412 # 10258 <__libc_fini_array>
100c4:	14c0006f	j	10210 <atexit>
100c8:	00008067	ret	

0000000000100cc <_start>:

100cc:	00013197	auipc	gp,0x13
100d0:	93c18193	addi	gp,gp,-1732 # 22a08 <__global_pointer\$>
100d4:	77018513	addi	a0,gp,1904 # 23178 <_edata>
100d8:	00013617	auipc	a2,0x13
100dc:	13060013	addi	a2,a2,304 # 23208 <__BSS_END__>
100e0:	40a60633	sub	a2,a2,a0
100e4:	00000593	li	a1,0
100e8:	260000ef	jal	ra,10348 <memset>
100ec:	00000517	auipc	a0,0x0
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	addi	a1,sp,8
10104:	00000613	li	a2,0
10108:	07c000ef	jal	ra,10184 <main>
1010c:	1180006f	j	10224 <exit>

000000000010110 <__do_global_dtors_aux>:

10110:	7981c783	lbu	a5,1944(gp) # 231a0 <completed.5468>
10114:	04079463	bnez	a5,1015c <__do_global_dtors_aux+0x4c>
10118:	ffff0797	auipc	a5,0xfffff0
1011c:	ee878793	addi	a5,a5,-280 # 0 <register_fini-0x100b0>
10120:	02078863	beqz	a5,10150 <__do_global_dtors_aux+0x40>
10124:	ff010113	addi	sp,sp,-16
10128:	00012517	auipc	a0,0x12
1012c:	ed850513	addi	a0,a0,-296 # 22000 <__FRAME_END__>

