



sumiton.o: file format elf64-littleriscv

Disassembly of section .text:

```
0000000000100b0 <main>:
100b0: 00001637      lui      a2,0x1
100b4: 00021537      lui      a0,0x21
100b8: ff010113      addi     sp,sp,-16
100bc: 3ba60613      addi     a2,a2,954 # 13ba <main-0xecf6>
100c0: 06400593      li       a1,100
100c4: 18050513      addi     a0,a0,384 # 21180 <__clzdi2+0x44>
100c8: 00113423      sd       ra,8(sp)
100cc: 340000ef      jal      ra,1040c <printf>
100d0: 00813083      ld       ra,8(sp)
100d4: 00000513      li       a0,0
100d8: 01010113      addi     sp,sp,16
100dc: 00008067      ret

0000000000100e0 <register_fini>:
100e0: ffff0797      auipc    a5,0xffff0
100e4: f2078793      addi     a5,a5,-224 # 0 <main-0x100b0>
100e8: 00078863      beqz     a5,100f8 <register_fini+0x18>
100ec: 00000517      auipc    a0,0x0
100f0: 11050513      addi     a0,a0,272 # 101fc <__libc_fini_array>
100f4: 0c00006f      j        101b4 <atexit>
100f8: 00008067      ret
```

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```
File Machine View Input Devices Help
Activities Terminal v
vdsuser@vdsuser-VirtualBox: ~
vdsuser@vdsuser-VirtualBox: ~$ spike pk sumiton.o
bbl loader
Sum of numbers from 1 to 100 is 5050vdsuser@vdsuser-VirtualBox:~$ spike -d pk sumiton.o
(spike) until pc 0 100b0
bbl loader
(spike) reg 0 a2
0x0000000000000000
(spike)
core 0: 0x000000000000100b0 (0x00001637) lui      a2, 0x1
(spike) reg 0 a2
0x00000000000001000
(spike)
core 0: 0x000000000000100b4 (0x00021537) lui      a0, 0x21
(spike) reg 0 a0
0x00000000000021000
(spike)
core 0: 0x000000000000100b8 (0xff010113) addi     sp, sp, -16
(spike) reg 0 sp
0x00000003ffffffb40
(spike) q
vdsuser@vdsuser-VirtualBox:~$ spike -d pk sumiton.o
(spike) until pc 0 100b8
bbl loader
(spike) reg 0 sp
0x00000003ffffffb50
(spike)
core 0: 0x000000000000100b8 (0xff010113) addi     sp, sp, -16
(spike) reg 0 sp
0x00000003ffffffb40
(spike) |
```

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```
File Machine View Input Devices Help
Activities Terminal
Sat 16:50
vsduser@vsduser-VirtualBox: ~
File Edit View Search Terminal Tabs Help
vsduser@vsduser-VirtualBox: ~
vsduser@vsduser-VirtualBox: ~
vsduser@vsduser-VirtualBox: ~
vsduser@vsduser-VirtualBox:~$ riscv64-unknown-elf-gcc -Ofast -mabi=lp64 -march=rv64i -o sumiton.o sumiton.c
vsduser@vsduser-VirtualBox:~$ gcc sumiton.c
vsduser@vsduser-VirtualBox:~$ ./a.out
Sum of numbers from 1 to 100 is 5050vsduser@vsduser-VirtualBox:~$ riscv64-unknown-elf-gcc -Ofast -mabi=lp64 -march=rv64i -o sumiton.o sumiton.c
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