## **Experiment**

1. 在右侧 telnet 连接的终端中装载内核模块,创建 chrdev , 读取文件

```
...initramfs/dev
                                                                                                                                                                                                                                                                                                                                                                                                                                     × A telnet
                                                                                                                                                                                                                                                                                                         ≡ grov ~ # insmod completion.ko
                                                                                                                                                                                                                                                                                                                               ~ # mknod /dev/cicv c 248 0
~ # cat /dev/cicv
                                               fn open(_context: \delta Self:: OpenData, _file: \delta file:: File) \rightarrow pr_info!("open is invoked\n");
                                                fn write(
                                                                ) → Result<usize> {
                                                                 pr_info!("write is invoked\n");
                              <del>•</del>
                                                     pr_info!("process {} wakening the readers...\n", Task:
                                                                                     let compl: Guard<'static, Mutex<Option<...>>, ...> = G
a = compl.deref().as_ref().map_or(null(), |p| p )
                                                                Ok(_reader.len())
[ 1.670406] cfg80211: Loaded X.509 cert 'sforshee: 00b28ddf47aef9cea7' [ 1.671772] platform regulatory.0: Direct firmware load for regulatory.db f 1.672287] cfg80211: failed to load regulatory.db [ 1.673667] ALSA device list: [ 1.673683] No soundcards found. [ 1.714198] Freeing unused kernel image (initmem) memory: 1328K [ 1.715282] Write protecting the kernel read-only data: 24576k [ 1.718496] Freeing unused kernel image (text/rodata gap) memory: 2032K [ 1.719573] Freeing unused kernel image (rodata/data gap) memory: 824K [ 1.835747] x86/mm: Checked W+X mappings: passed, no W+X pages found. [ 1.836495] Run /init as init process [ 1.853755] mount (70) used greatest stack depth: 14160 bytes left [ 1.884988] ip (73) used greatest stack depth: 12920 bytes left [ 1.912408] tsc: Refined TSC clocksource calibration: 3494.358 MHz [ 1.912642] clocksource: tsc: mask: 0xffffffffffffffffffffmax_cycles: 0x325e7f [ 1.912909] clocksource: switched to clocksource tsc [ 2.252938] input: ImExPS/2 Generic Explorer Mouse as /devices/platform/i80 [ 3.898942] e1000: eth0 NIC Link is Up 1000 Mbps Full Duplex, Flow Control: 3.903708] IPv6: ADDRCONF(NETDEV_CHANGE): eth0: link becomes ready mount: mounting host_machine:/home/y4ng/project/cicv/cicv-r4l-3-Yang2096/r4l_e # [ 48.593495] rust_completion: open is invoked [ 48.594637] rust_completion: process 83 is going to sleep
```

2. 在左侧 vscode 终端中写入 device,可看到右侧阻塞住的进程得以继续运行