

CS61 Section 2

Sept 25, 2019

gdb debugger:

- breakpoint: `b main`
- vsr interface: `tv enable`

Switch to new view (assembly): layout n
memory registers

- breakpoint: `b fun`
- Continue (run already running): `c`
- step one instruction at a time: `si`
- go to next line (and not into functions): `ni`
- go to beginning: `v`
- go to end of program: `finish`

* to prevent method from being called, place
breakpoint at the method

- `gdb init file`: runs `gdb` commands when
launched (`.gdbinit`)

Functions

- call function: \equiv index `rdi`
- move sb `0x1 (%rdi), %eax`
↓
move \rightarrow signed byte to large
- `je`: jump equals
- `XOR`: compiler xors variable to itself to set something
= 0.