

Time Flow →

CPU in Real Mode

arch/x86/boot

header.S:110
first kernel
instruction:
2-byte jump to
start_of_setup

header.S:220
start_of_setup
Assembly start up
code

arch/x86/boot

main.c:122, main()

pm.c:153
go_to_protected_mode()

pmjump.S:31
protected_mode_jump()

CPU in Protected Mode, paging disabled

arch/x86/boot/
compressed

head_32.S:35
startup_32

misc.c:368
decompress_kernel()

arch/x86/kernel/

head_32.S:86
startup_32

Enables paging,
calls
start_kernel()