Time Flow
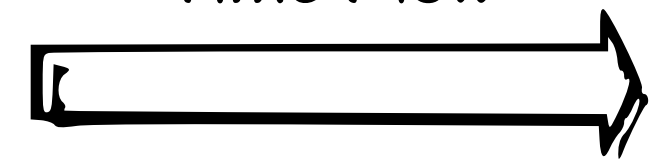
CPU in Real Mode

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()