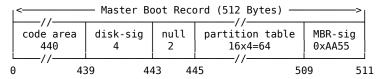
Intel x86 Bootstrapping

- 1. BIOS (0xfffffff0)
 - POST HW init Find a boot device (FD,CD,HD...) Copy sector zero (MBR) to RAM (0x00007c00)
- 2. MBR the first 512 bytes, contains
 - ➤ Small code (< 446 Bytes), e.g. GRUB stage 1, for loading GRUB stage 2
 - the primary partition table ($16 \times 4 = 64$ Bytes)
 - its job is to load the second-stage boot loader.
- 3. GRUB stage 2 load the OS kernel into RAM
- 4. Astartup
- 5. init the first user-space program



\$ sudo hd -n512 /dev/sda