\* Non volatile memory (ROM) "read only memory ROM -> based on FGM "Floating gate mosfot" negative positive Programming state erosing state ROM Mask Programable EPROM to Mask Programmable ROM: (OTP) "one time program" run time Il is cominão do come blimo do ula Just não con sollado de ilo you ex- Tays, Bis chip \* PROM. "Programmable ROM" plassificallos, ist on our ott \* EPROM: "erasable PROM" - ine 30:5 = U.V N & joje Weng & dl god ini radiation, noise Mitting to die adv W-\*Hybrid memory: RAM, ROM
FERROM Flesh NVRAM (Rad, wite, nonvolatile \* EEPROM: "electrical evasable programable ROM" Adv > plectrical s endurance soplop,000 is 4 Byte acress: dis adv > high cost per bit shy ice in lawster lawton > lego IC NOM is communication redes polying men 1/9/000 ship cod and Protocal

B flash:

Block access (sector by sector) EFPROM 5 Endwance -> up to 10,000 5,0 4) low cost Perbit (3) NURAM: "non volatile RAM" is Son -> SRAM + Battery Lo SRAM+ EEPROM+ Battery siep \* MIPS => million instruction por seconde JIJJ Squake wave to Clock ) Julian Food se Clock systems electrical mechanical RC-oscillator

F555 M T TITL

Power > TIT - ICI-(cevamic, crystal) Ceramic resonator crystal oscillal highest lovost in between Cost highest lovest accuracy setting lowest highest time high high LOW noise Temp immunity) EMI high high Low\_ /vi bration 1000 low high