

IC Industry

Fabless: Qualcomm, Nvidia,
AMD
IDM: Integrated Device
Manufacturer.

Intel, Samsung, TI

ECO system

EDA Company
(Cadence, Synopsys,
mentor)

Fabless
or IDM

Standard Cell
IP Vendor
(ARM) CE433

22nm
↓
65nm
↓
40nm
↓
130nm

Service Company
(MOSIS, MVSE)
MPW

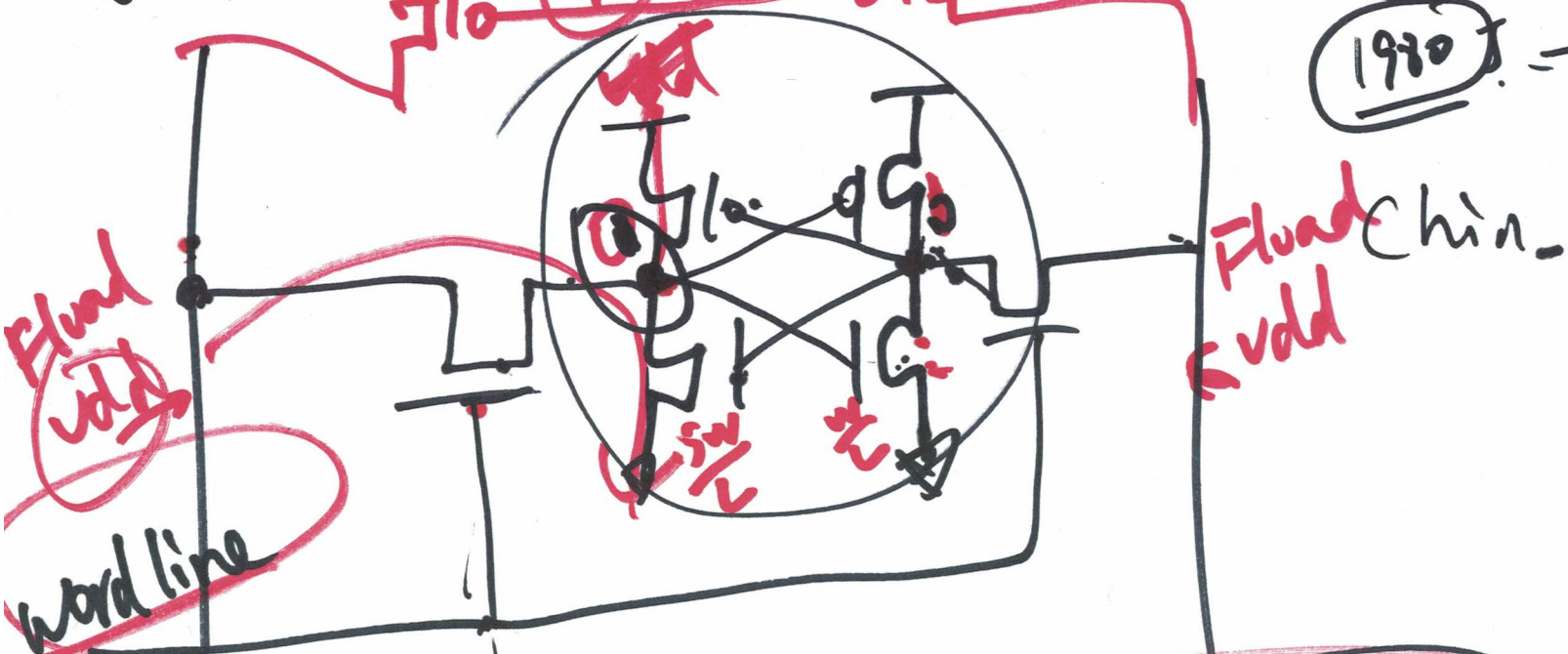
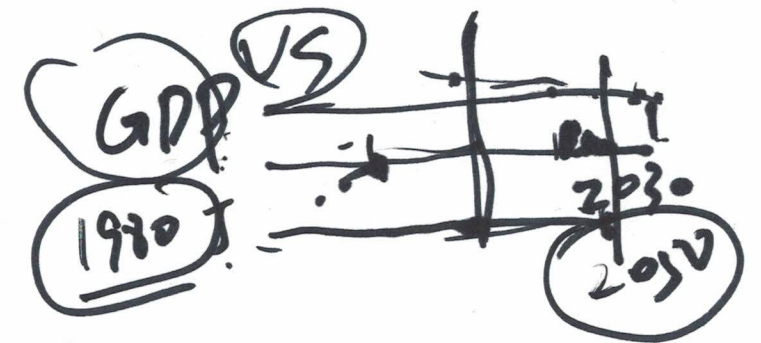
Semiconductor
Foundry
(TSMC), on, samsung

→ yield

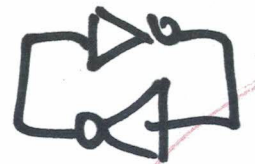
Fabless:

Company	Country	Revenue (M)
Broadcomm	US	17,246
Qualcomm	US	14,518
Nvidia	US	10,125
MediaTek	Taiwan	7,962
AMD	US	6,731

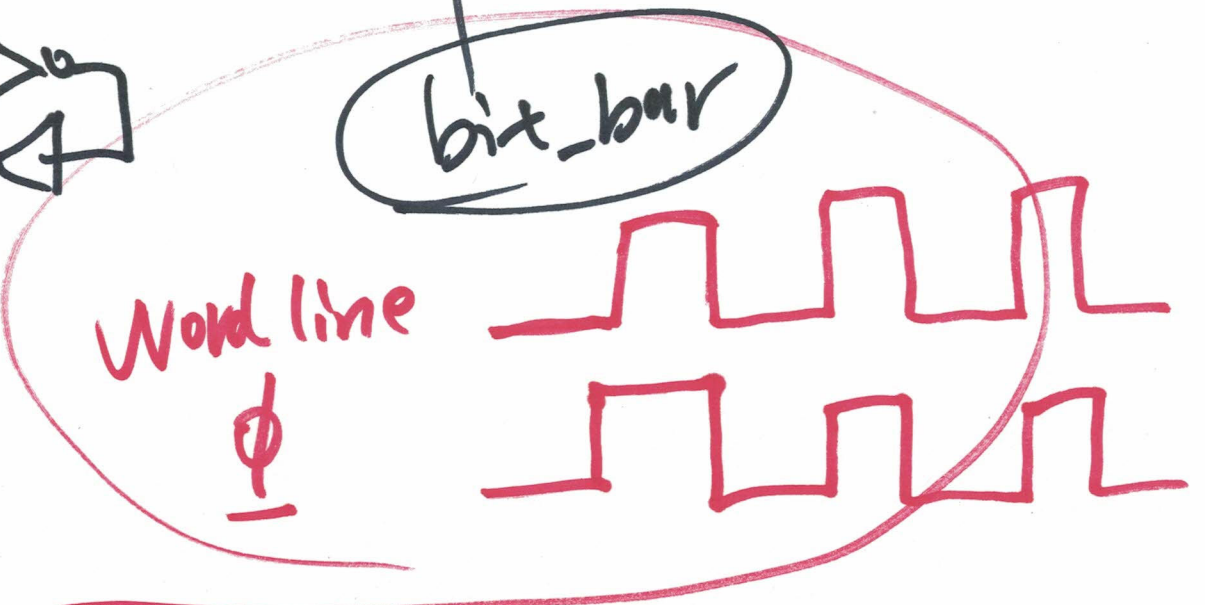
vdd - 1.5v
 vdd - 1.8v
 vdd - 1.8v
 vdd SDRAM



bit_bar



Read



bit

3