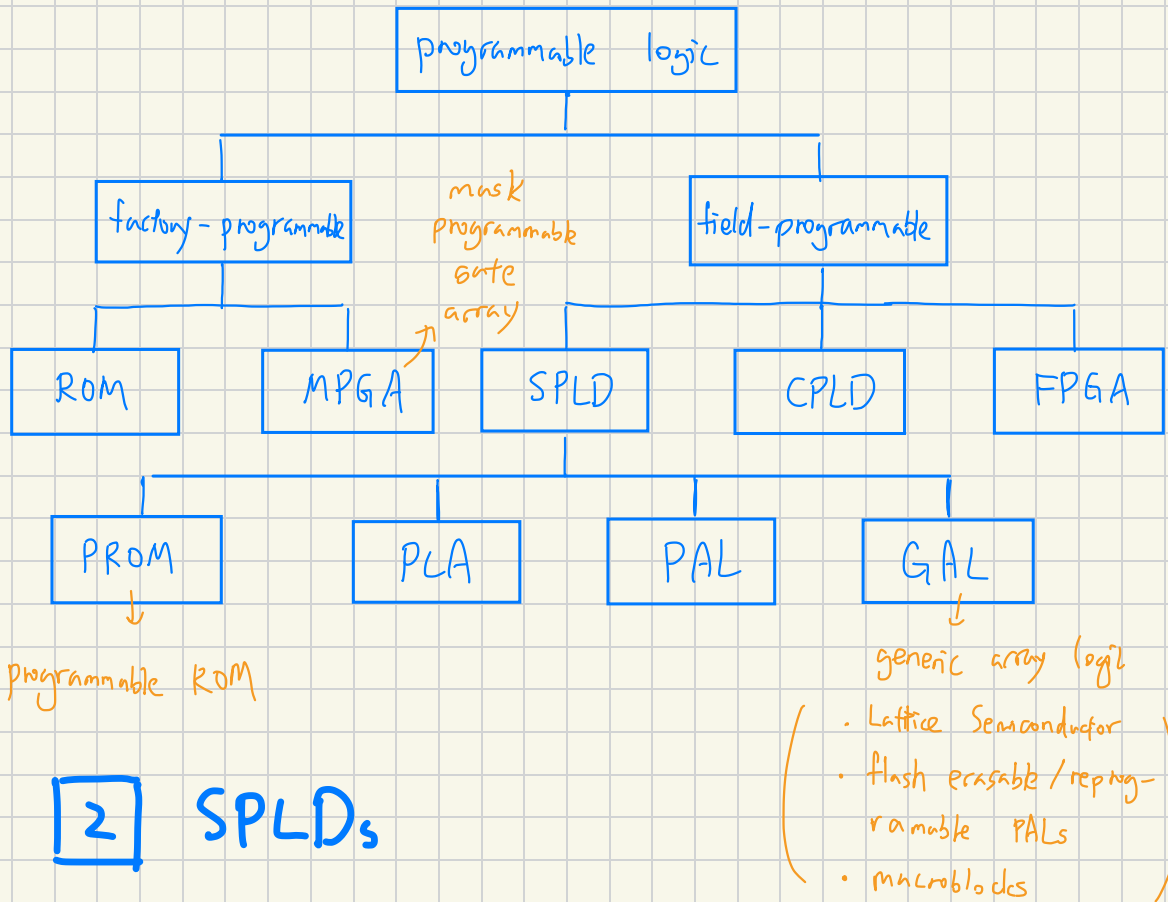


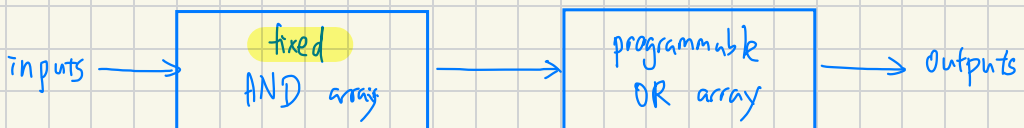
3.1 Brief Overview of Programmable Logic Devices (PLDs)

1 Classification of PLDs

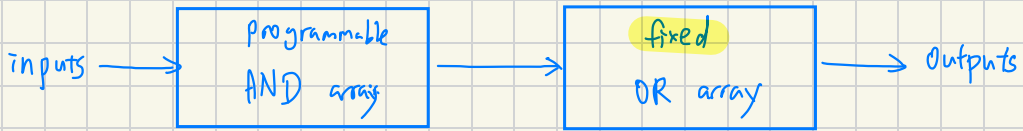


2 SPLDs

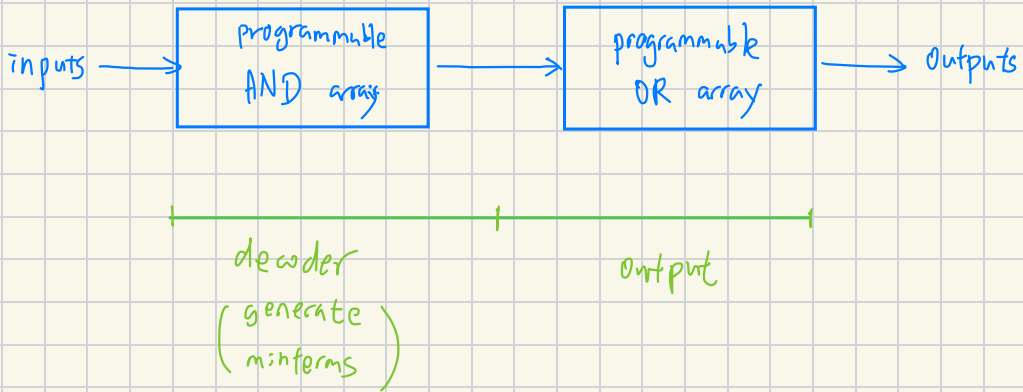
① PROM:



② PAL: (many also have FFs)



③ PLA:



• a few hundred gates

3 CPLDs

- multiple PLDs in the same chip
- better integration capability than SPLDs
- 500 ~ 16000 gates

4

FPGAs

- uses SRAM to hold configuration info.
- larger & more complex blocks containing SRAM & muxes
- > 5 million gates