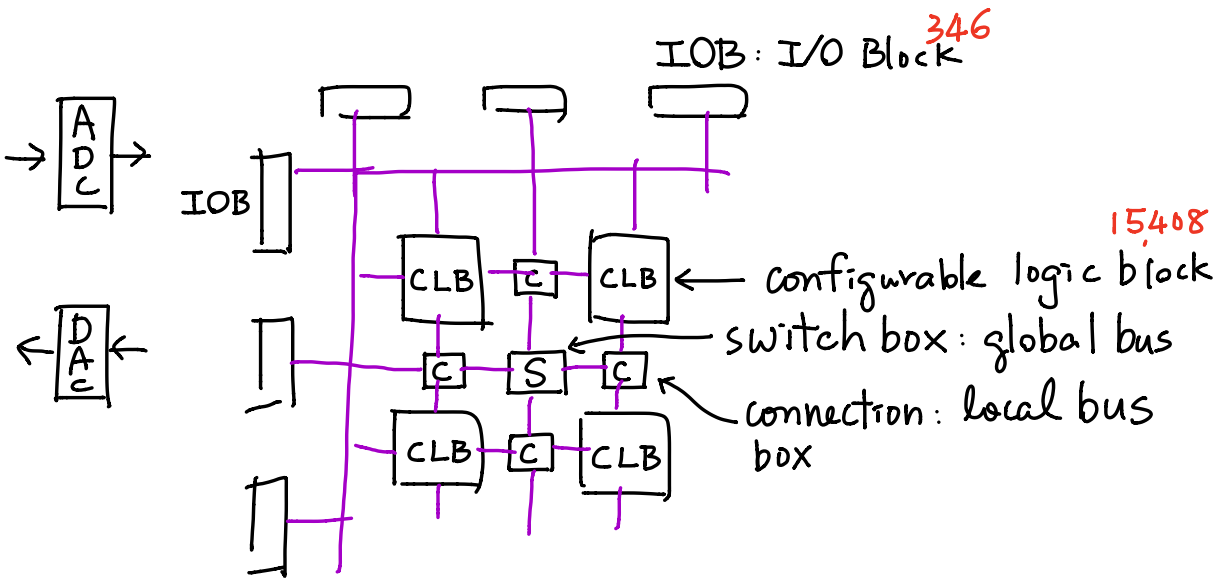
FPGA field programmable gate array

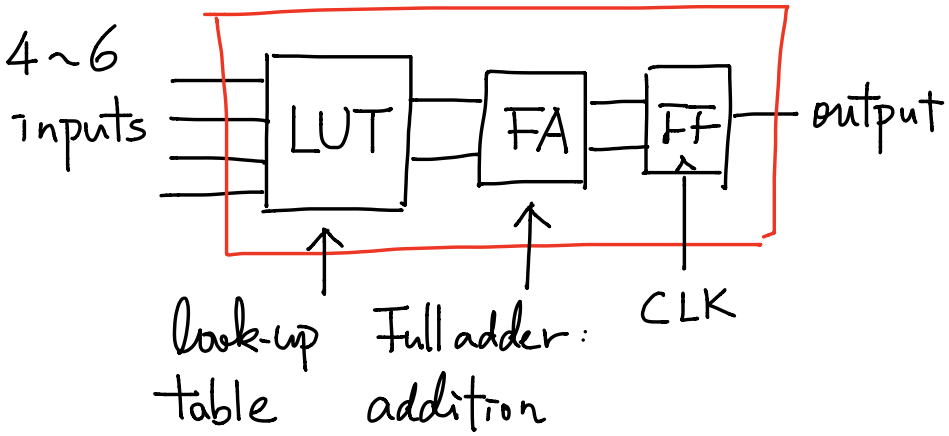
Are you tired of
1. Spending a lot of time building circuit?
2. Throw away circuits built incorrectly?
3. Cannot copy and paste circuits?
4. Worry the circuit will smoke when you turn it on?
5. Waste material when the circuit is no longer useful?

FPGA comes to your rescue.

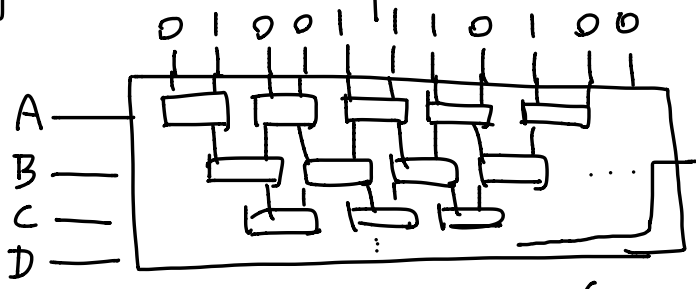


Other stuffs: CLK, Power suppy, usb, SD card,
40pins
Expansion slots. flash/RAM
13
on/off switch. LED display. 10 ADC/DAC. not here
4
7 segment display

Configurable logic block CLB

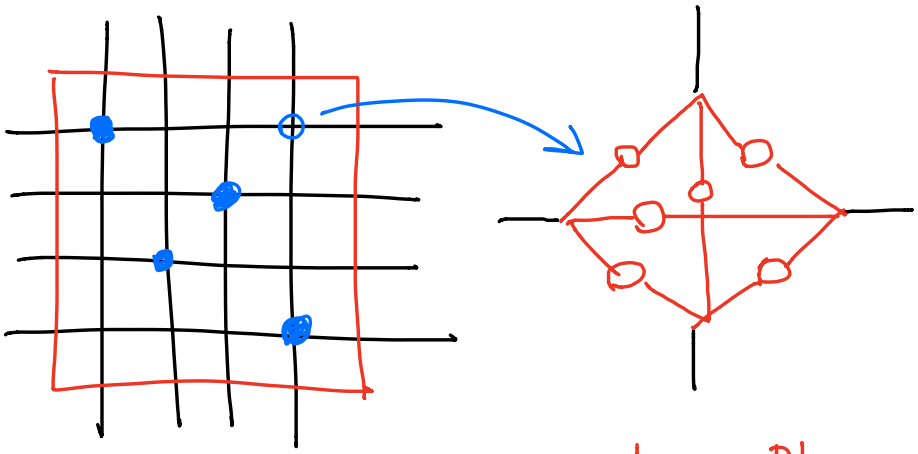
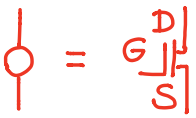


How do you build a lookup table LUT?



6 possible connections

Switch block:



This is called routing.