& Why to build electronic chips or as with ? 1) Take advantage of speed of electricity + controlled place (ON, OFF) 2) Compute things in less time = Lead to abrelopment/growth faster/Evolution Three book operations Add Substact Complement

(+)

(-) k Add + complement Junco maly complete Substract + complament

Any other Complex mathematical operation can be derived from Advontage ? Build ckt for Addition (ADDER) and comploment Combine these too to person any other mathematical operation like Multiply, Division

This leads to development Of ALU. Everfully 8080 leb was built with book mathematical Combine afforts of Multiple Physicist, Mathematicion, scientisto lead to current stake Of Compusing/Compusers \* Each abstraction in computing is sent or improvisation of provious