intetaes between levels: to human was close ALL code = interface -> LLL code ( es (compile) Software bag and & Slows ting down input -> eg C code - longer program language

my I

COMP romises: level 6? - even simpler for people to code -modulas - Ever slower - Complexity - Cost bachwards advantages! (compand to <6 levels) - R cheap : = simple HW - easy for people to cide 6-64 archite to is Slow compatability

MSB 150 20 SW two-level computer? eg from C -> hardware requires: - quite a compiler very modular change from windows to linex: Eg Change from Java to C: and the two interfaces just charge compiles

city bus ~ computer bus compilation aka translation Money (hishess is very Important In determining speed - often indirect - wait your turn - Connect points A and B - Shared FR GR-RU 5P-GR FR-CH

modular!

5 ENG

ENG-FR

change CHINSSS:

- Just change the
two suranding
in tepretes

HW is just petrified Sw.

- can do the same Job.

- Hw is faster

- Hw is more expensive

chess oud

Kead Pg 1 - 8 ( ) So Kins pg 52-54 }-math / diagrams especially 28 m 30 49-50 - thinking hard

math - not rext week

(exels

VN

1-8

1-8

28-30

49-50

5thesday

thesday

to be lab

3 19 St: Von - Neumann datepath: Inside cpu Chapter 4: revisit 2 detail ALU instruction to be FDE eg IR: Instruction register: Register: eg PC: program counters main-memory address of the rest trained a register: holds to the executing instruction holds the correctly-- general, purpose - Specific purpose