QUIZ

Sometimes on Tuesday

Projects

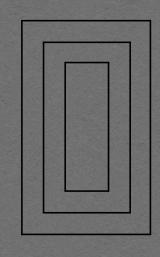
Wednesday 5 P.m/DZL

Assembly code

* decompile (translate)

Simulating hardware

* binary addition (without "+")



languages

* utilize different language s

* Assembly language

hard ware

(MIPS)

software

BINARY

* reliable 9 4 2

10° 10' 10°

max value is 103-1

base b koligits 1 -1

31t a binary digit

Byre & bits L& B Worth least chight)

ribble 4 MSB (140)

Overflow without carryout

courryout without overflow

bits shifting

0 1 1 0

ith bit in
$$x$$
 $a = ((x \gg i) \& 0x1)$
 $i = out = (0x | < i)$

14 13 12 11 10 9 8 7 6 5 4 3 2 1 0 16384 8192 4896 2248 1024 512256 128 64 3 2 16 8 4 2 1