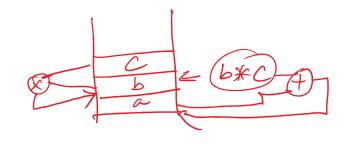
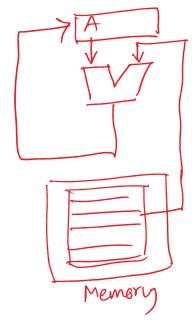
Let 12 Thursday, June 2, 2022 12:00 PM Assembly Language Machine Models Stack Stack # of explicitly named oferand 'O' C=A+B Push A B Push B Add POP C

a+b\*cpush a



push b
push C
Mul
Add
Pap

## Accumulator



C = A + B

Load A

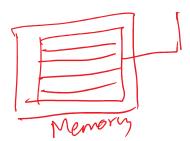
ADD B

Store C

# of explicitly
named operand 1.

Register - Memory

C'= A+B Load RI, A ADD R3, RD, B Store R3, C ADD RI, B



# of explicitly named operand 3 or 2

in X86 ISA, 1st operand
is always destination
as well.

Register-Register
Load RI, A
Load R2, B
ADD R3, R1, R2

ADD (R), R2 # 2 08 3

Registers: named storage locations.

General Purpose Registers

ARM: 80 .... 815

Stack Pointer Special
Program Counter registers.
Return address Powers

0×8765 43 21 Big Endian
0 1 2 3

21 43 65 87 Little 0 1 2 3 Endian ARM, 286

YOU mijor than

