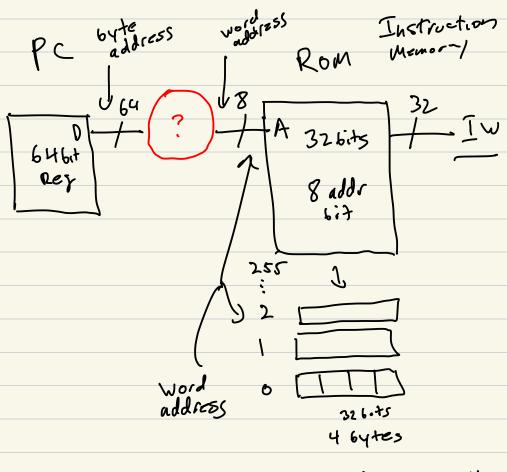
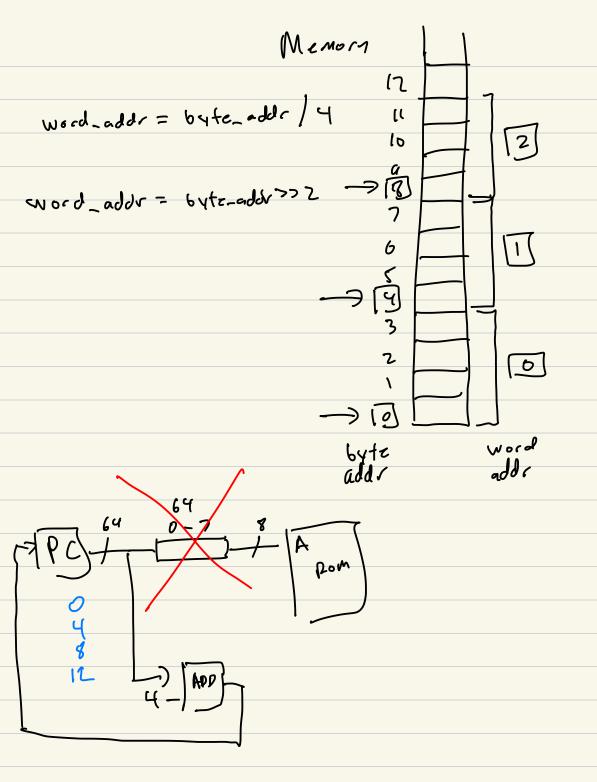
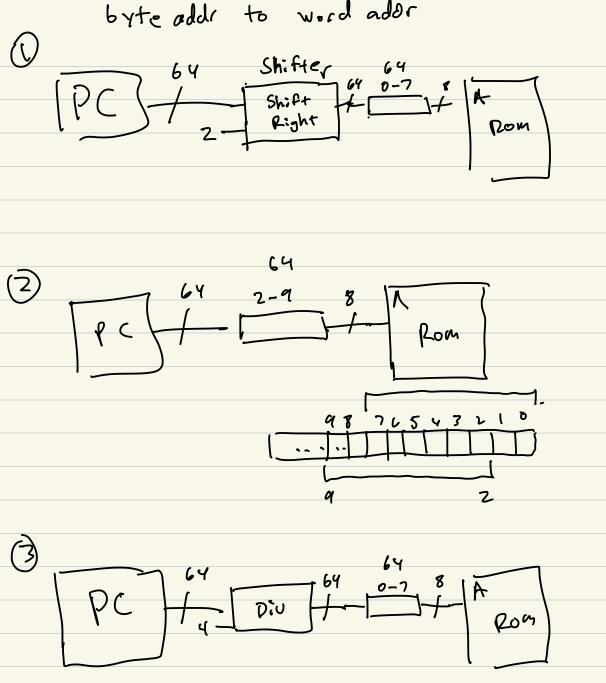
Labor - Regfile, ALV

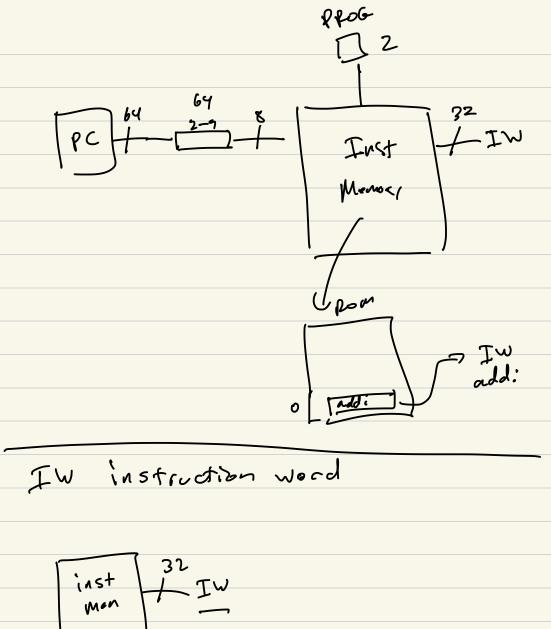


8 bit adde means the 20m can hold 23=256 instruction words





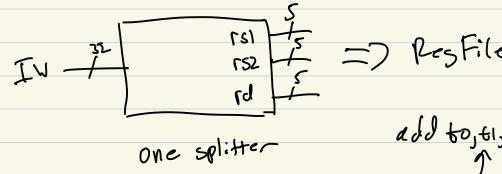
ROM Instruction Memory PROG O rstr ADDA 3



Decoding

RegDecoder Imm Decoder Inst Decoder

Rey Decoder



add to, ti, t2

one splitter

Imm Decoder

IW -	64 imm_S  64  1 imm_S  64  1 imm_B  64  1 imm_U  64  1 imm_J
S+ype  32  IW + 1	Splitter in 32  60t [7-11,25-31]  7-11  [imm4-0]
Jw 7-11 (im4_0) 5 25-71 (im4_5) 7	25-31 [imml-5]  Extanded Value  Spl: ++  12

How to implement sign extender with a splitter 12,52 12 1 & Sign 6:7

