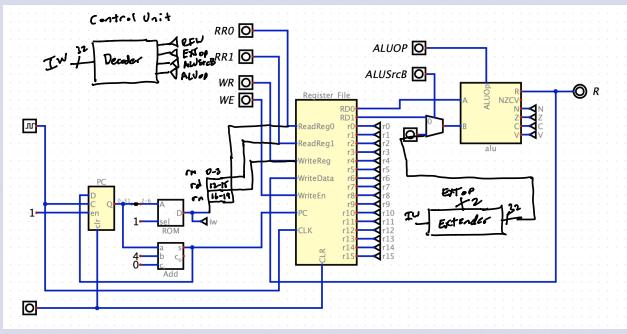
Lablo due Fri night ProjectOb due Wed Dec Z

Labo9



code

Lablo Part 1

To Extend: add to the detapeth and we need to add "control"

nov ro, #1

add r2, ro, r1

rd, rn, rn

Decoder
Like a hear table
Kuy -> 8 675 27-20
value - output control bots
RFW EXTOR ALVERCB ALVOR
regfile voite add rz, rogri
add to opende s
27 26 25 24 23 22 21 20
Ky 000000=/
RFW (Write En)
EXTOD (Extender) 00
ALV src B
ALVOD 000
00001000 =7,1000000

Decoder Logic add(1) o 0600001000 Pr. BAC 6.ts 27-20 MOUCI) (06 DO11 1010 O RPU 661000000 OFITO 061001011 O ALUSED PAWOR mos 10, #1 RPW=1 1001011 Ext. p = 00 ALUSICB = 1

ALU . = 011

Decoder Sprand sheet

Extender

EXIOI

(00) OP immediate -> 8 bit zero extend

(01) SDT (1dr/str) -> 12 607 2018 extend (10) B/BL/BEQ/... -> 24 607 sign extend (11) Shift and mult by 4

(11) Shift

Lablo Partz

