A Custom 19-bit CAV ?

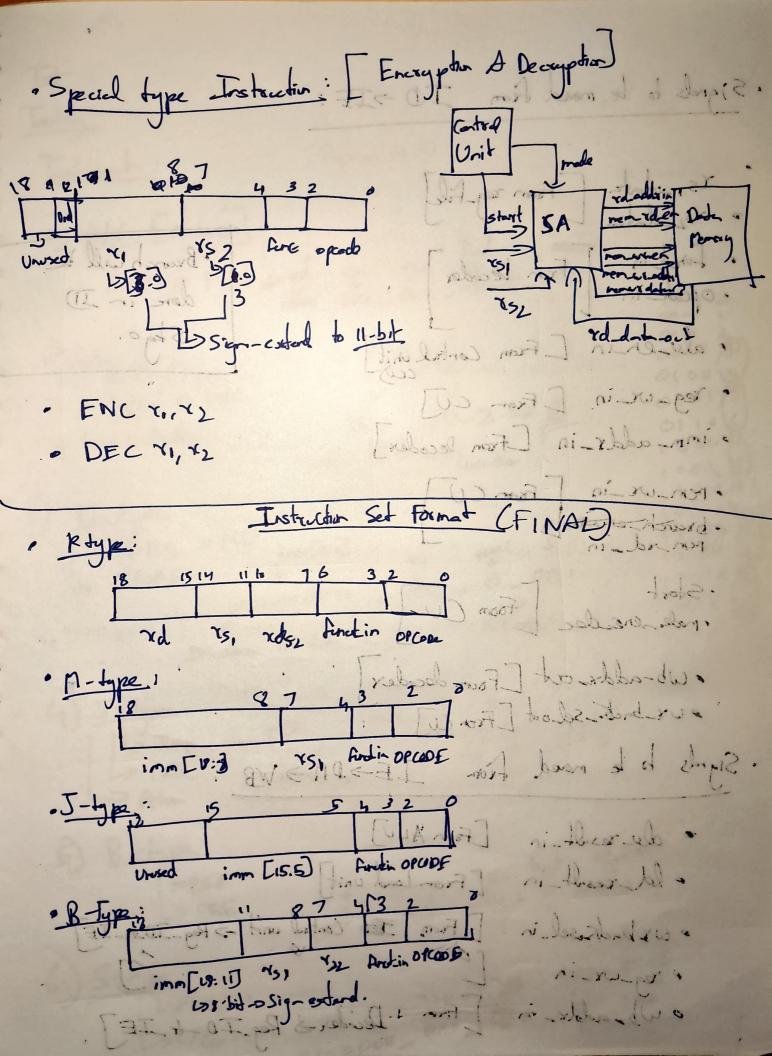
coording / whose maport. - Instruction Set - 19: Opexations: (20) · OP CODE - bit · 5 - Staged Pipeline [F-D-F-M-WB] eaA. 11, 72, 73 ·SUB 412 pt 33 · Instruction manay module will be added 41, 12, 13 · NVL Y1,72,73 · PC_men = 11 bit
· Dregistachile
- 4 bit · Fetch: · PC · DEC TION . That menany · AND Y1, 76, 73 · Instr= 19bit · 04 71,743 · Decode: · XOP 4, 77, 73 · Date = 8- bit .NA 71,72 · R-type: [Authretic, Logicala] · Data_rem = 11 hit · Ine addy - BER TICTZIANDY - BNE 1,72, addy . · (NL add-1 · M-typ: [LD,ST] RETUA . 1318 124 87 43 2 P LD Ti, add 1 marcal NSI Fine OP-CODE 57 aldv, 7, J-type: [SAP, CALL, RE] · FFT YI, YL Unued Imm[18:0] first 02 CODE 52 - EN 6 71, 7 -DEC 41,42 Botype: [BER, BNE] 18 211 87 43 2 0 in [1] 151 752 first of of of the state Note: Active Low

· Stage 1: (Instruction Fetch) · Program Canter Cyrchinas · Blocks soved: · imm_adders Instruction inemocy. Stage 2: Citasterchin Decode Pecoder · Registar files Control Unit >(Control Unit) it is the body en of Mo me . 7 ldiste_er_out LOND A SPORE: · Stage 3: (Instruction Executa) · A Luaunit (Rtyre) · DM-rd-mul unit Branch : Unit (B-type) Stope Unit (M-type)

Special Application unit (S-type)

Stope 4: (Instruction Memory)

Dale Memory - Strop 5: by Write-Back MVX



· Signals to be moved from ID >IF: SE DE LOS DELOS DE LOS DELOS DE LOS DELOS DE LOS DELOS DE LOS DELOS DE LOS DE LOS DE LOS DE LOS DE LOS DE LOS DELOS DE LOS DE LOS DELOS * Vs. date From reg. File Breach will be · Function From Decodor done in ID · alverin [From Control unit] · reg-wein [From CU] · ENC THY · imm-addr-in [from Decoder] · DEC 11, 12 · pen-ur-in Fran CU
· bruich en sin 11 10 tomas 12 mountail.

pen red-in · Start
· made enerder From Cu didn't get it by ewb-addreat [From clocader]

evr-back-school [From CU] · Signes to be moved from IE>DM> WB · du-result-in [Fran ALU] [From Load Unit] (2.21) mani bound eld_rest_in From To Control unit -> Reg_ID-to-IF] o wxbacksel-in " reg-wr-in o whealdx-in Fron Deuder - S Reg. ID - H IE .

西 (344) 8 = post 1 - 100 (doub) Tasting: Dis anople. Tastbarch: 2. 5 di 2010 de 1010 (3) de 3 de 1010 (3) de 3 de 1010 (3) de 1010 15-2 => D Vocadio 010 3.) M-typ-12 LOAD 2 196t inclosed to be such that I do not be su 11 111 4) J-type: 6 (0)(0)10 (quiese) imm[10:3] First ofcot | 15 Junp | Junish | - 00 - 010 | Call | 000 | 01 5) B-type 158ER 138NE includ _ 0010 - 0011 - 0 - 011 6-) S-type ISFN -1 130FC-0 Umid' TSI Tish Finch OKCODE

ADIO 100 100