(1) large array Computer And Lebo Machine DATE: (2) Smell us. felul -> suode -> Execute of addring patrist! ARM developed by Acoren Computers.

Millsc > Reduced Instruction Set Computer

Non Neumann (share some bus) 3 unifoun instruction 3. ARM mino processor > [Harvard Auly (Data & Instruction wer exparate bus) Del 4. ARM Registers [Bennel purpose > Ethold dita on addien] 20 (mader)

20 (mader)

1. Sp -> Stack lainty (R13)

1. Sp -> Stack lainty (R13) 2. LR -> Link Register (R14) -> Stores the juliar advers 3. PC - Program Counter (RIS) -> contains address to next inst. Store the current 5. Condition flage _ z (zero result) value of CRSR p to sed SUBS Suag SWI kill supervision mode (carry)
Little enter supervision mode (overflow & Salurelian) 6. MVN - Move Negative (Negetion) 7. dSL = kogicel shift sift (mul 2") 8 LSR = hogical shift Regut (Divide 2") n- no oftenes A STR - Store Reg. in Memory. Ro-RITY Earlier ARM 9 AREA > Make a new Block of Data DCB 10 ENTRY) Delare entry point 16 bit Add. Bus 32 bit DCN - DCD - Allocate one or more words (32 has) 8 bit Date Buy 32 bit (16) 12 d D R - Wand Date Into Register 6 priveleged 13. Mucmor I man priviled (use mode) mogis

Moments @ 0x01 -1 PAGE : DATE: / / ; KO = K2" 8 Same & MUL RO, RI, #8
MOV RO, RZ, LSG#3 3 40 = 42 × 8 ; ht = k3/128 Division mo v RI, R3, LSR #7 for Indical Addressing, we mad to do memory mapping Oxovor. (all ceps) separated by comma > checkmark all the bones >> map Ronge > dose > click on memory 1 (in bottom) > type address CMP compare. Branch on equal BEQ Bruch Not equel. BNE Brench on less then BLS Brench on las then equel to BLE Brunch greater then. BUT Brench on greets then a guel B61 8 Temporary Reg Date Rig AR Address Rig Instruction Reg even odd 1R AC Aum ulla 0-11 PC brigen countr INPR Input Reg OUTR Output Keg