Custom Hardware picory32 pcpi-insn pepi-val Instruction en sto Decode pcpi-rs2 State Machine BO B B B 16×16 State 16×16 done Mul Modine pcpil_rol pepi - would pepi-read pepi- Write

TO-DO:

& Hardwore:

· 16×16 approx Hul

· State Machine

o Instruction Decode

* Testlench

o Makefile

De Curton C-fuction/macro

- CLK from prorV32 ?

16x16 Approx Hulf 190101102193194195196187 198 1919191119121913191419151 X 10, b1, b2, b3, b4, b5, b6 b7 b8, bp b10, \$11, 6121 613, 614, 515, -> (W=8)AL: 186/a1/a2/as/a5/a6/a7/ × B2: 186/81/62/83/84/85/86/87 2W-bits 32 bit 16 bit AHXBLIW 3× 16 Bil-[AL × BH] [00....] AHXBH 100.... 4W-bit product CL: (00,91) 02:931 × D: 16.61/62,63 2x2 Approx Muly 8 bit TEHX F. 1 (0000) Adders [EL | × FH (0000) 1 OUTO TEHX FH 1 [0000 0000] ELX FZ: 2x2 Hulf, with [2x2 gprox. Mul.] gust todders over many layers OUT 3 (= OUT2) ? Mary 2x2 Approx Huld.