

3 hit to 1-hot reg Write En 8/ writeEn (0) write En (of register) write Peysel 3/ 3:8 Decoder 8 400 [15:0] read Data [7:0] writeEn = read Data err write Data > CLE reduction OR CLE rst rst > register read leasely (8 instances) rend 2 Reysely 16 bits x 8 readoata [0] /16 read Data [1] /16 /rend 1 Data read Data [2] read Data [3] read 20 ata rend Data [4] reculocta [5] err writeth -> ===x1 readontalb 16 write En_ X === Z rend | Reysel > [1] rend Data [7] read 2 Reg Sel -> C) >===> write Reg sel > 107 Note: [1] is Reduction XOR to save ORt regFile