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4.46 4.23 SEXINDIA (104 B-1 101) 104 C=1 4.52

5) 1- size = 3 operations - 1 down / up / clear 2- create mux, operation table SI SZ Operation o o down count up count 1 clear down count 3 connect mux inputs /4- Map lines Ox0 + Sz. clean cnt 0 0 0 0 4.32 a) Z= 00000010 b) -1= 11111111 c) 23 = 00010111 => -23=11101001 d) +(29=10000000 => -128=10000000 this number is not represented in 8 bit erch, tee e) 126 = 0111110 f) 157 = OIIIIII s) 0 = 00000000

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4.46 4.23 input < 93. A=1 55× inputa < 104 B-1 input >104 C=

2- Size = 3 operations - 11 down / up / clear 2- crecke mux, open tion table SI SZ operation down count up count down count 3 connect mux inputs /4- Map lines clean 4.32 a) Z= 00000010 b) -1= 11111111 c) 23 = 00010111 => -23=11/01001 d) +129=10000000 =>-128=10000000 this number is not represented in 8 bit orch tee 0) 126 = 0111110 f) 127 = 011/11/1 810=00000000

4.46 4.23 (nput < 95 A=1 95×11 puta < 104 B=1 input >104 C=1 B 4.52

1- Size = 3 operations - 11 down / up/ clear 2- create mux operation table SI SZ Operation o o down count o 1 up count 1 o clear 1 down count 3 connect mux inputs /4- Map lines L OxO clean cnt Sz. 4.32 a) Z= 00000010 b) -1= 11111111 c) 23 = 00010111 => -23=11101001 d) +[29=10000000 =>-128=10000000 this number is not represented in 8 bit erch tee e) 126 = 0111110 (f) 127 = 01111111 810=00000000

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4.40 4.40 Complement A Comp. Out Reverse (Out) F.A. A Rev. Ot Komp. OxL BXOR B BXOR OF Totat) BNAND A BNAND ap Octopet/

