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Assume Want To Shift Left By K , $0 \leq K \leq N-1$ ($N = 2^n$) K Expressible As N -bit Number: $- K = K_{n-1}2^{n-1} + K_{n-2}2^{n-2} + \dots + K_12^1 + K_0$, K_i A 0 Or 1 Barrel Shifter: Construct From N Levels Of $N/2$ -in Multiplexors - When Level i Either Shifts Last Level By 2^{i-1} Or Pass Unchanged Circuits-C Sli Jul 1th, 2024

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3 Advanced VLSI Design CMOS Inverter CMPE 640 Propagation Delay R Is Equal To The Resistance Ratio Of Identically Sized PMOS And NMOS Transistors: $R_{eq} = R$ Eqn. The Optimal Value Of B Can Be Found By Setting When Wiring Cap Jan 3th, 2024

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