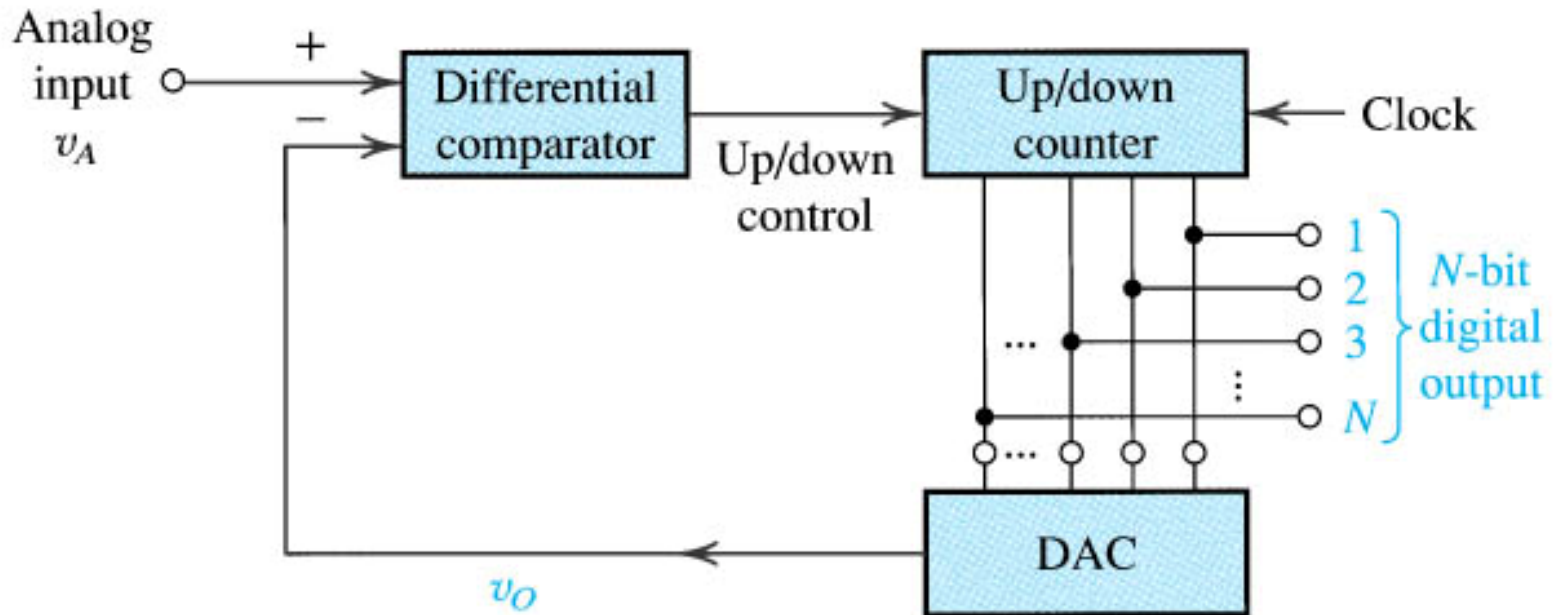
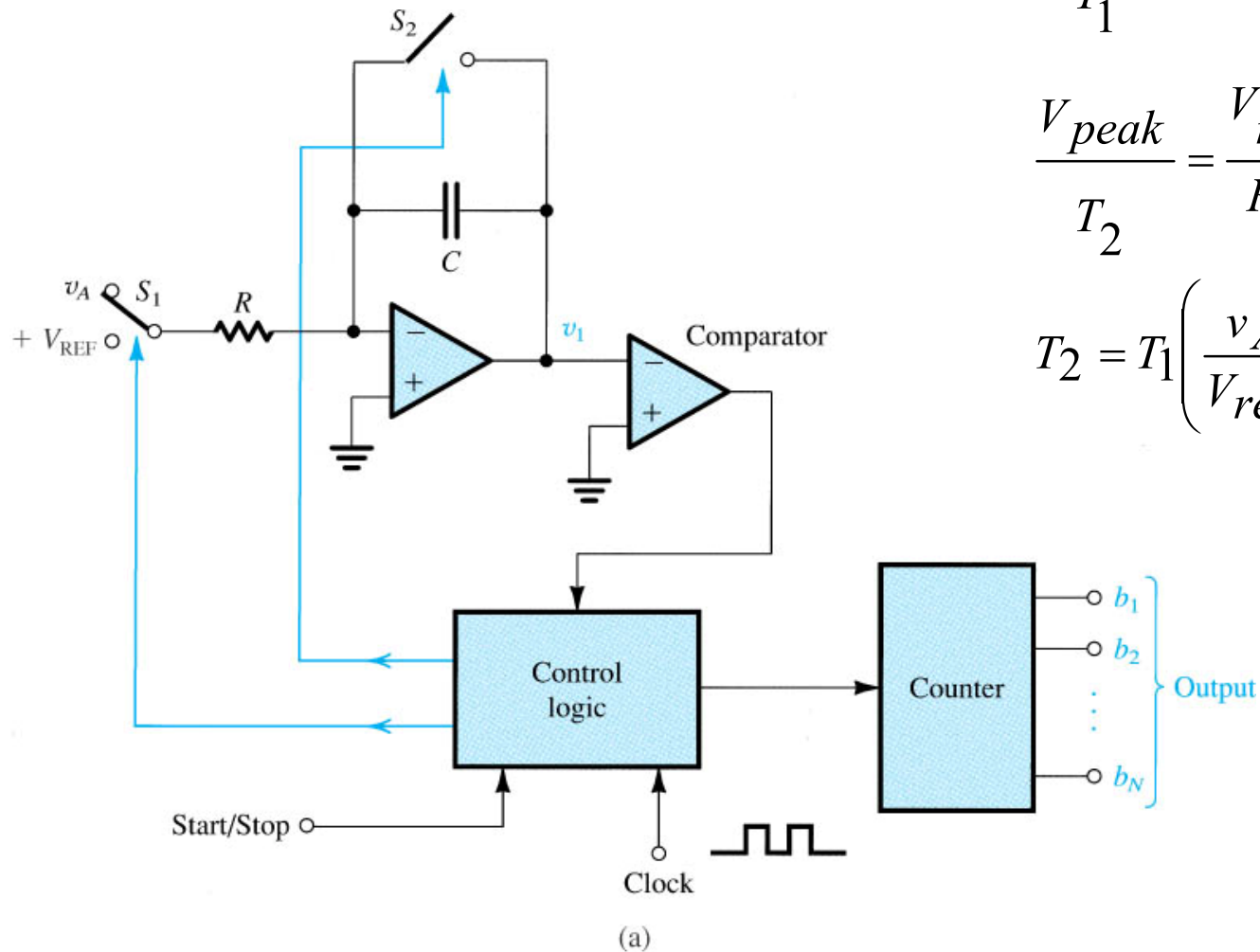


A/D Converter Circuits: The feedback-Type Converter



The Dual-Slope A/D Converter

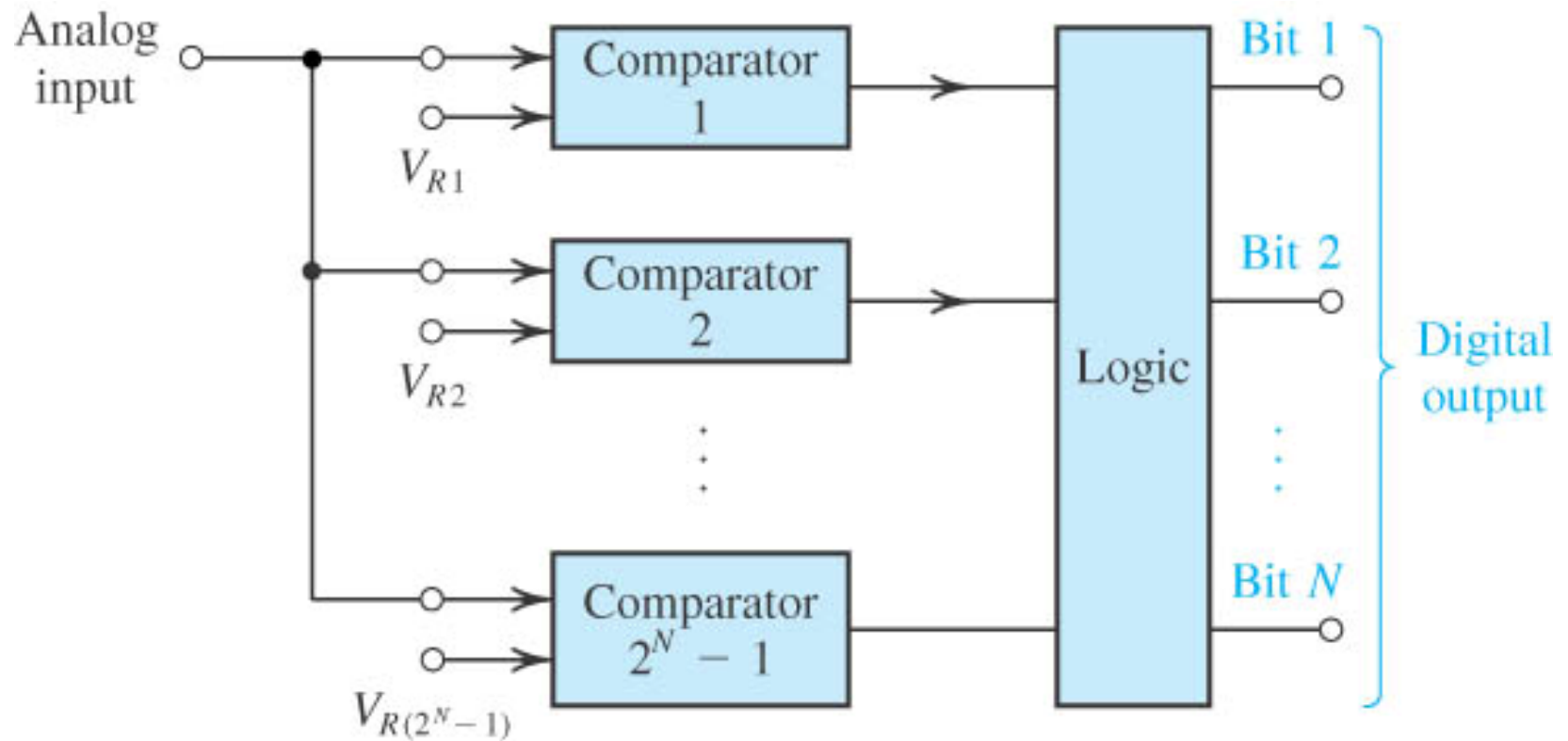


$$\frac{V_{peak}}{T_1} = \frac{v_A}{RC}$$

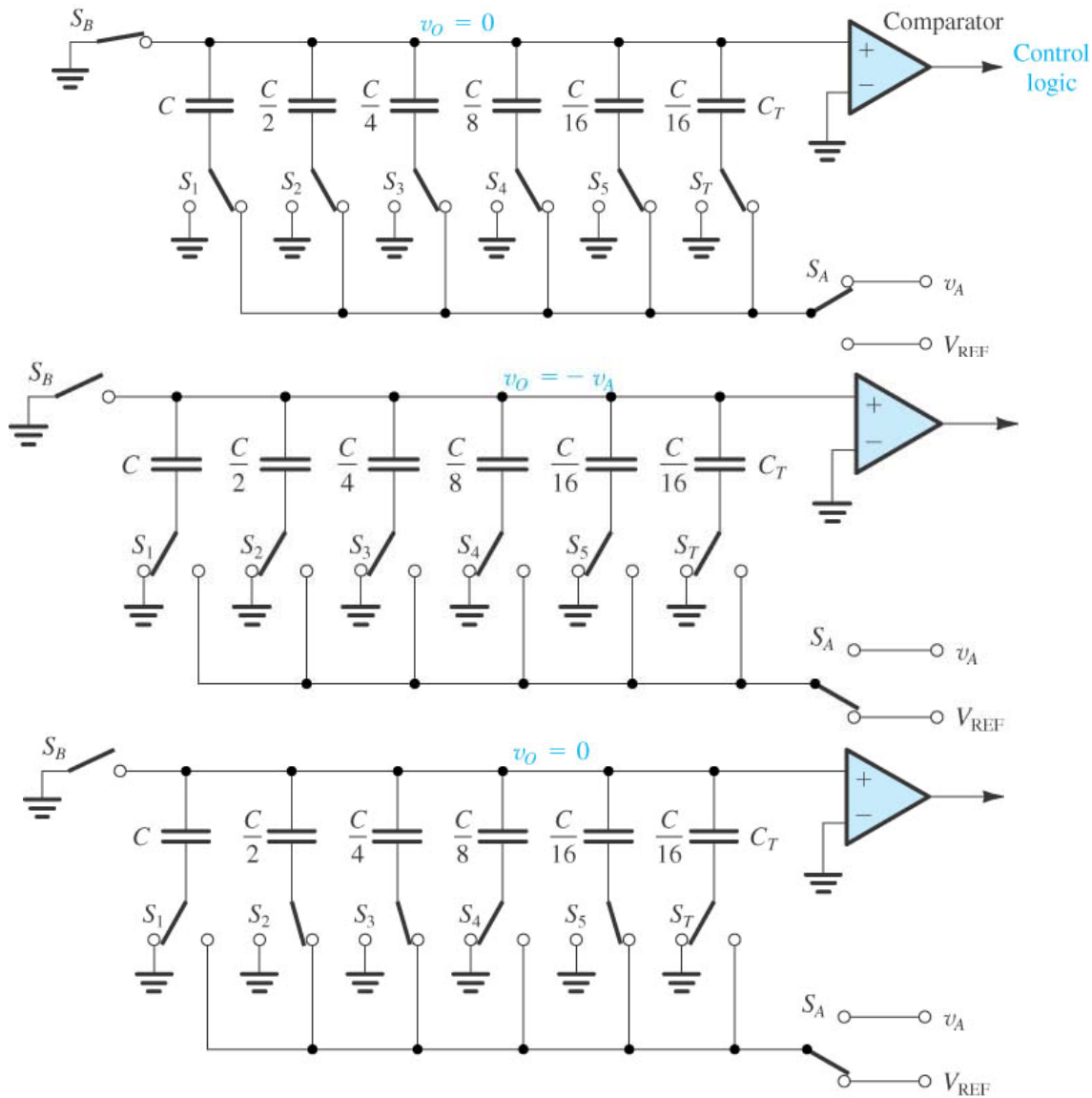
$$\frac{V_{peak}}{T_2} = \frac{V_{ref}}{RC}$$

$$T_2 = T_1 \left(\frac{v_A}{V_{ref}} \right); \quad n = n_{ref} \left(\frac{v_A}{V_{ref}} \right)$$

Parallel or Flash Converter



The Charge-Redistribution Converter



(c)