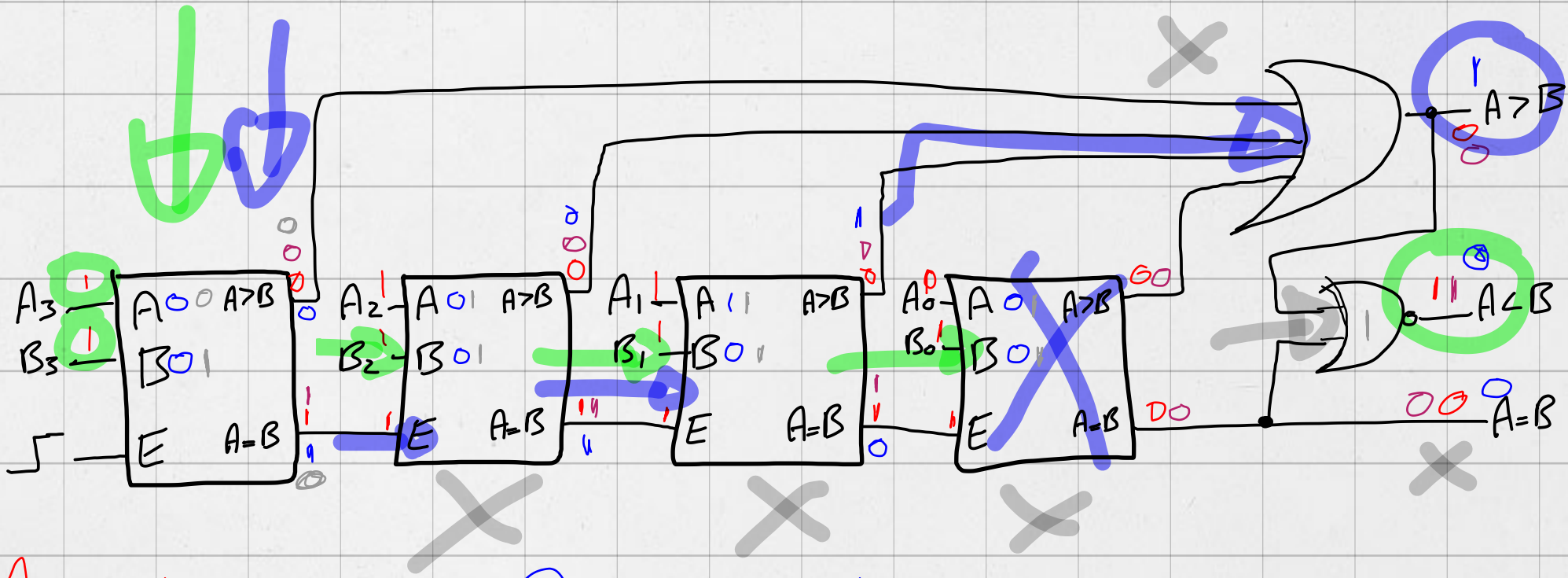


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$A = 1110$

$B = 1111$

$A = 0010$

$B = 0000$

$$A = 100110 \rightarrow 38$$

$$\text{Left shift} \rightarrow 1001100 \rightarrow 76$$

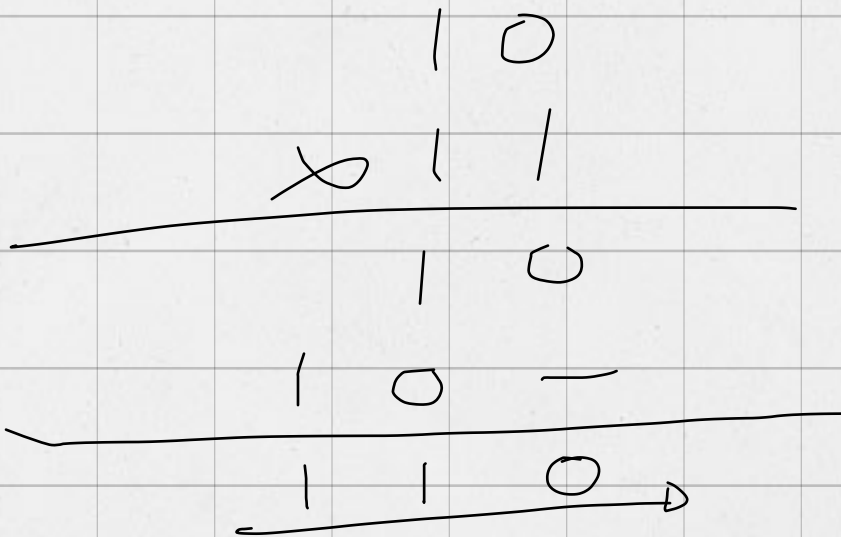
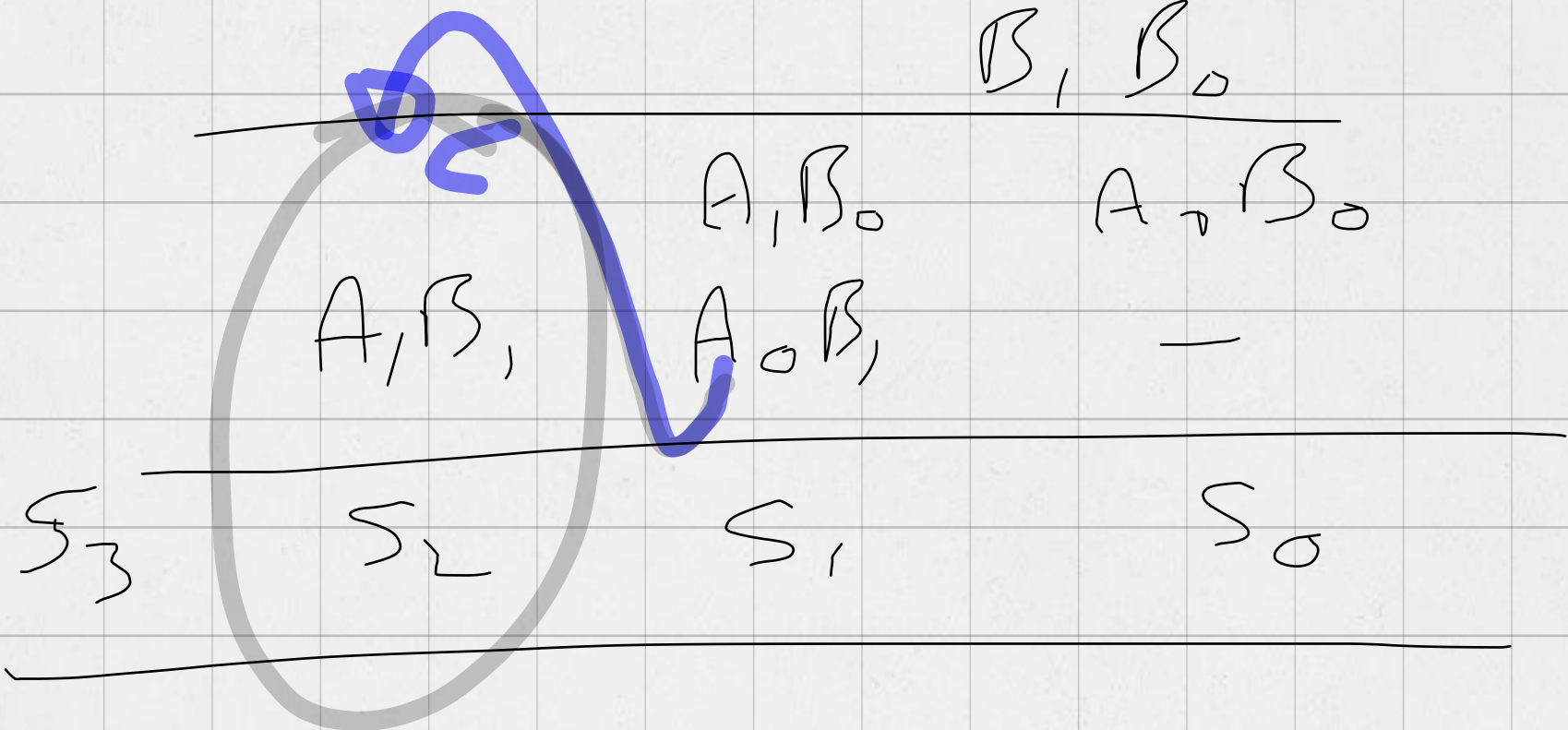
$$\text{Right shift} \rightarrow 10011 \rightarrow 19$$

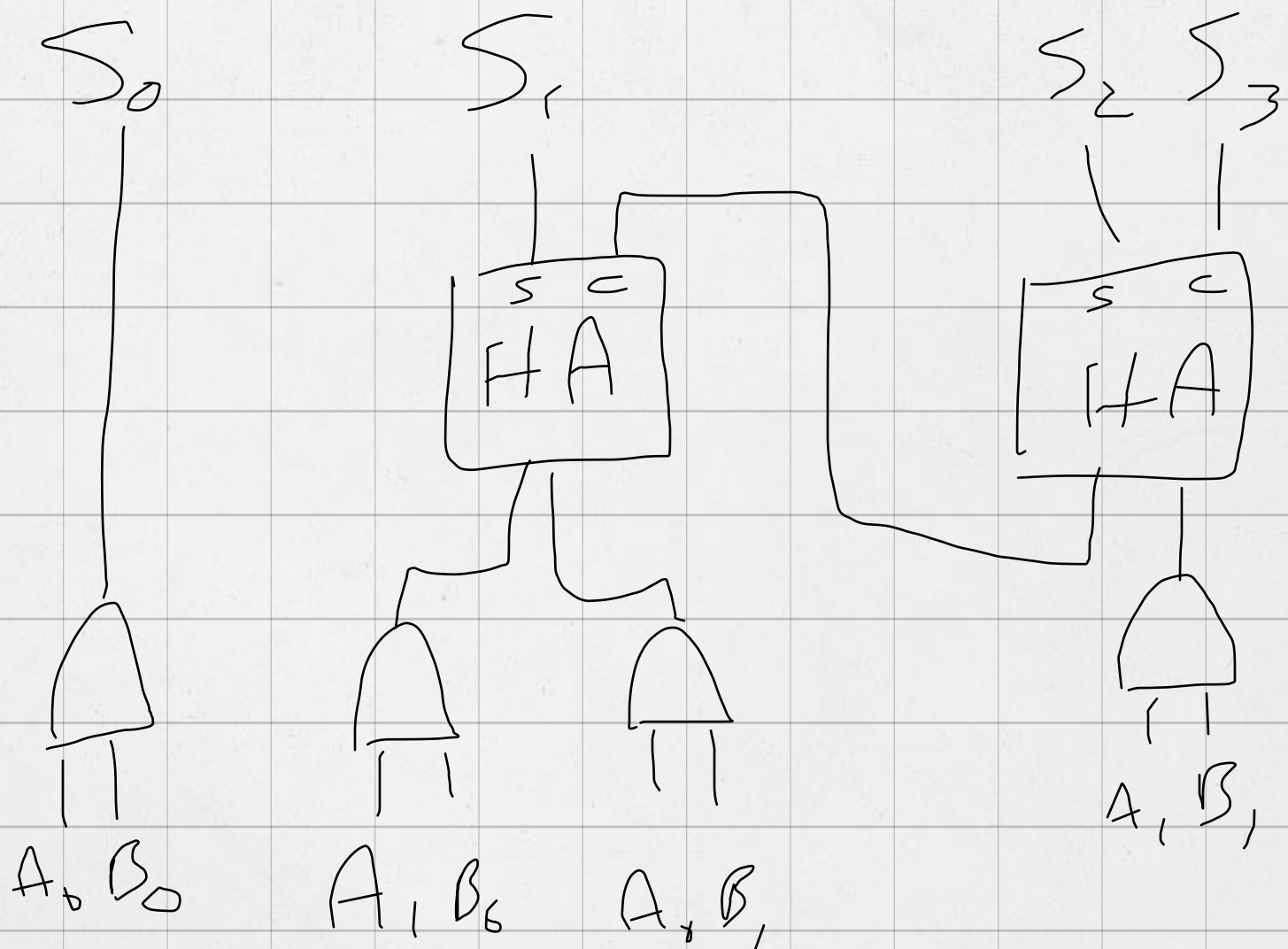
$$7 \times 7 =$$

$$7 + 7 + 7 + 7 + 7 + 7 + 7 = 49$$

$$\begin{array}{r} A = A_1 A_0 \\ B = B_1 B_0 \end{array} \quad \times$$

$$\begin{array}{r} A, A_0 \\ B, B_0 \end{array}$$





$A_0, B_0$   
 0 1  
 $S_1 = A_1 B_0 + A_0 B_1$

$$\begin{array}{r}
 11 \\
 \times 11 \\
 \hline
 11 \\
 11 \\
 \hline
 1001
 \end{array}$$

$$110$$

