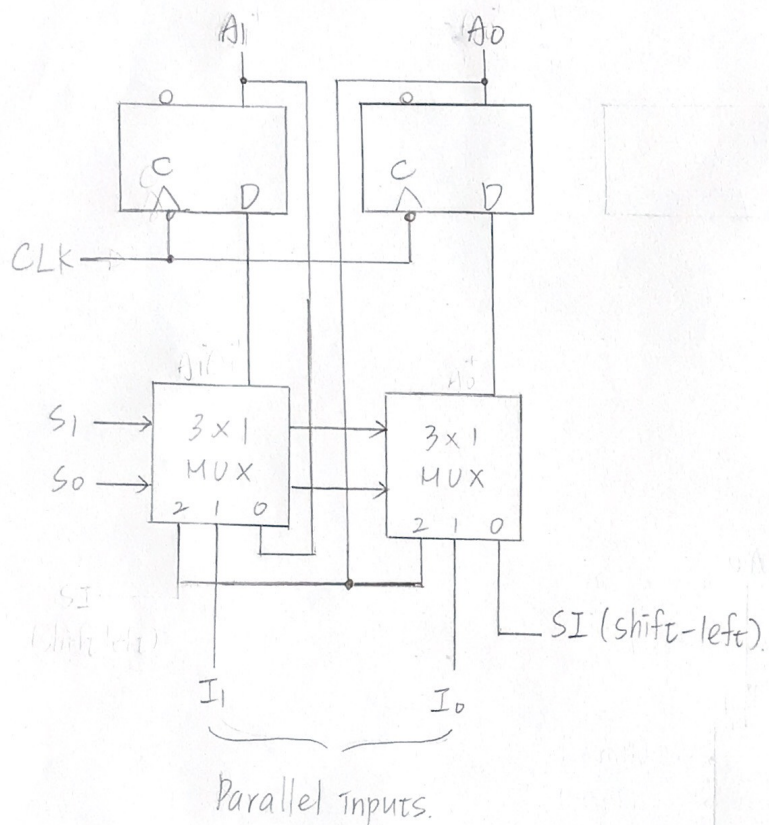


42.

$$A_1^+ = S_1' S_0' A_1 + S_1' S_0 I_1 + S_1 S_0' A_0$$

$$A_0^+ = S_1' S_0' A_0 + S_1' S_0 I_0 + S_1 S_0' S_1$$

Parallel Outputs.



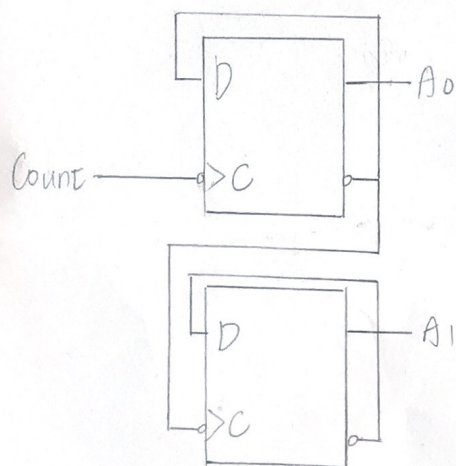
43.

FF0: C0 = Clock Pause.

$$D_0 = Q_0'$$

$$FF_1: C_1 = Q_0' (\uparrow) = Q_0' (\downarrow)$$

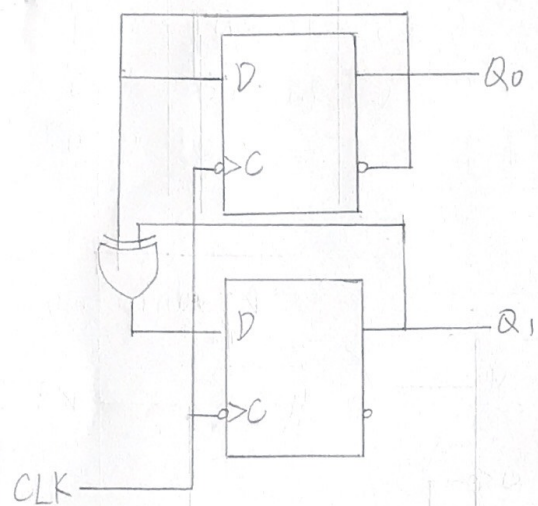
$$D_1 = Q_1'$$



44.

$$D_0 = Q_0'$$

$$D_1 = Q_1 \oplus Q_0'$$



45.

0 1 0 1  
 0 1 1 0  
 0 1 1 1  
 1 0 0 0  
 1 0 0 1  
 1 0 1 1  
 = 0 1 1 =

