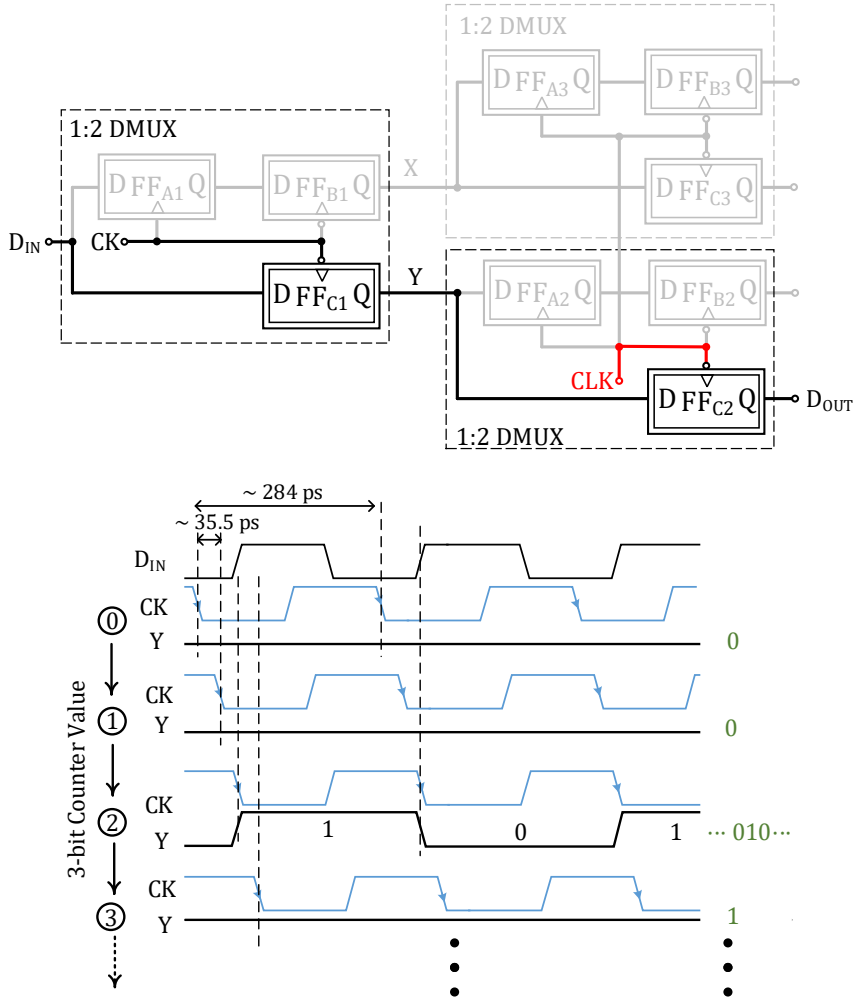
1:2 DMUX
D FF$_{A3}$ Q
D FF$_{B3}$ Q
D FF$_{C3}$ Q
1:2 DMUX
D FF$_{A1}$ Q
D FF$_{B1}$ Q
X
D$_{IN}$
CK
D FF$_{C1}$ Q
Y
D FF$_{A2}$ Q
D FF$_{B2}$ Q
CLK
D FF$_{C2}$ Q
D$_{OUT}$
1:2 DMUX
~ 284 ps
~ 35.5 ps
D$_{IN}$
CK
Y
0
0
1
0
1
··· 010···
1
3-bit Counter Value
0
1
2
3