

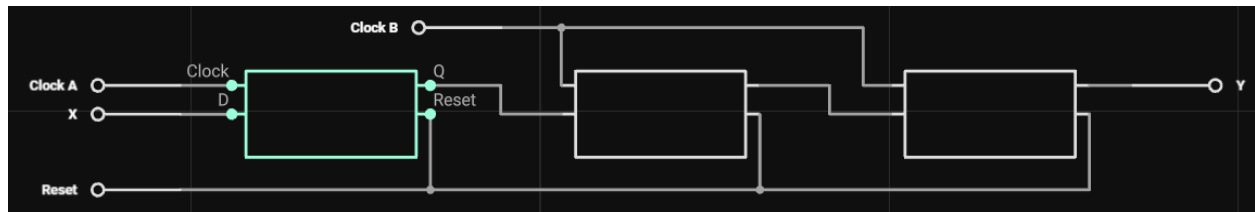
8.1

Optimal Sum of Products: $Z = S1 + S2S3 + S2S4$

	Truth Table		K-Map	z = S1 + S2S3 + S2S4			
	S1S2S3S4	Z	S1S2 \ S3S4	00	01	10	11
	0000	0	00	0	0	0	0
	0001	0	01	0	1	1	1
	0010	0	10	1	1	1	1
	0011	0	11	1	1	1	1
	0100	0					
	0101	1					
	0110	1					
	0111	1					
	1000	1					
	1001	1					
	1010	1					
	1011	1					
	1100	1					
	1101	1					
	1110	1					
	1111	1					

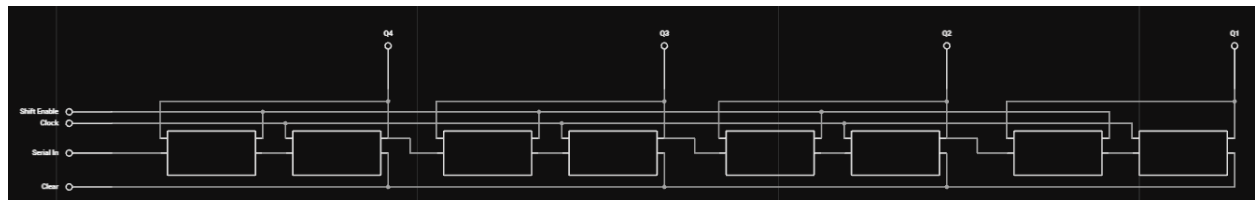
8.2.1

[Flux Schematic](#)



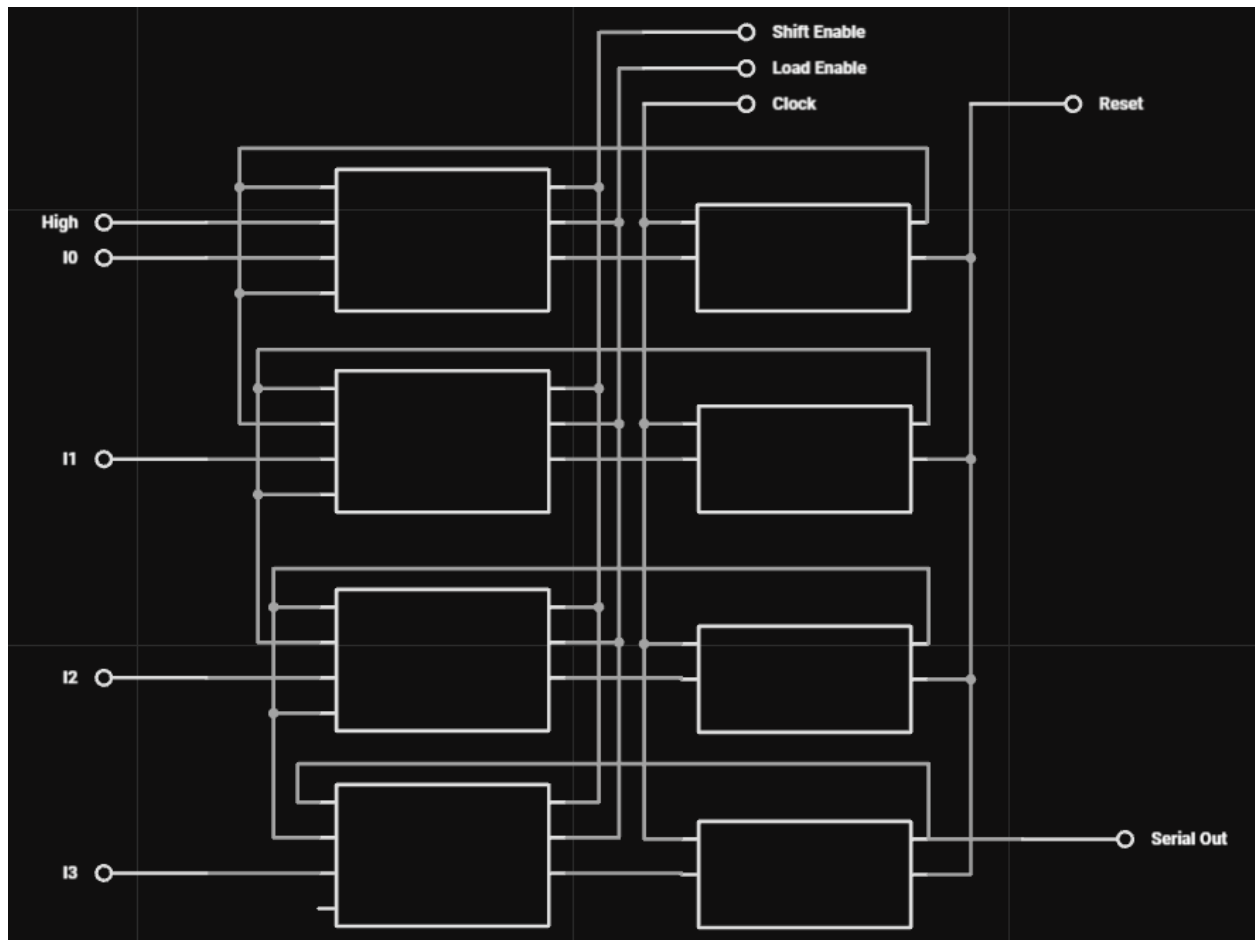
8.2.2

[Flux Schematic](#)



8.2.3

[Flux Schematic](#)



8.3

