표 4.2a 활성-1 디코더 진리표

a	b	0	1	2	3
0	0	1	0	0	0
0	1	0	1	0	0
1	0	0	0	1	0
1	1	0	0	0	1

표 4.2b 활성-0 디코더 진리표

a	b	0	1	2	3
0	0	0	1	1	1
0	1	1	0	1	1
1	0	1	1	0	1
1	1	1	1	1	0

그림 4.8a 활성-1 디코더

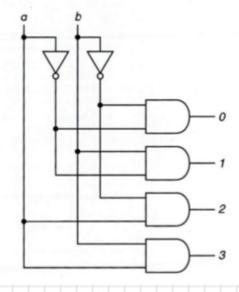
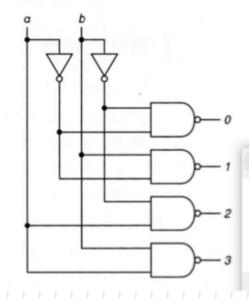


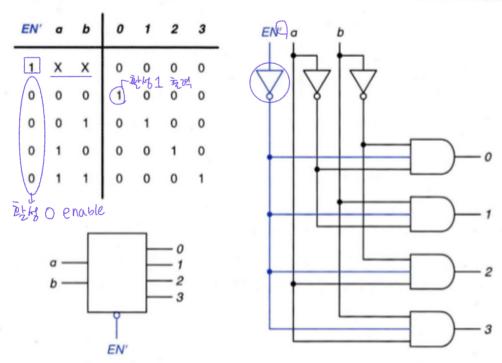
그림 4.8b 활성-0 디코더

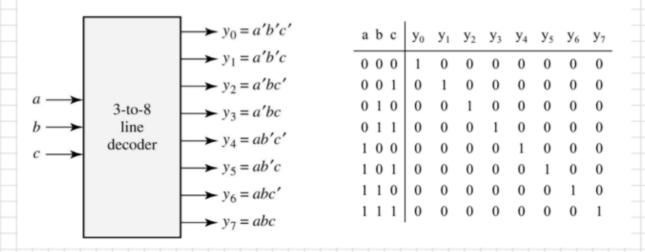


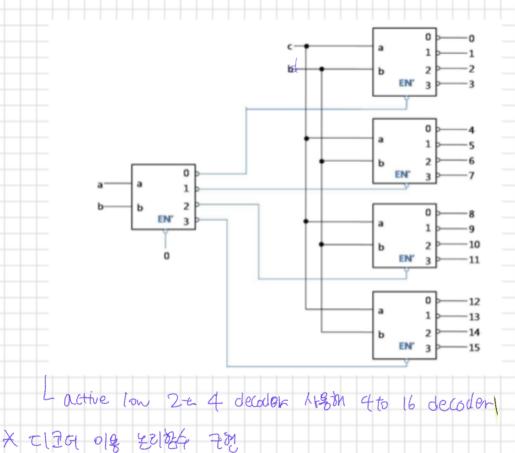
active high

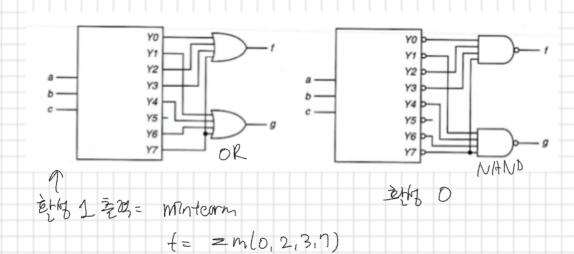
active low

그림 4.9 enable 신호를 가지는 디코더









g= 5m (1,4,6,7)

\* FIGP FLOPS review y= 5 G(0,x) -> Mandy 2 G(0,x) -> Moore Sequential Circuit (Synchronous using F/F (asynchronous; no dack A flip-flop is a binary cell capable of storing 1-bit informationa. A flip-flop maintains a binary state until directed by clock palse 1 busic latch S R Q\*

S R Q\*

R D O O Q

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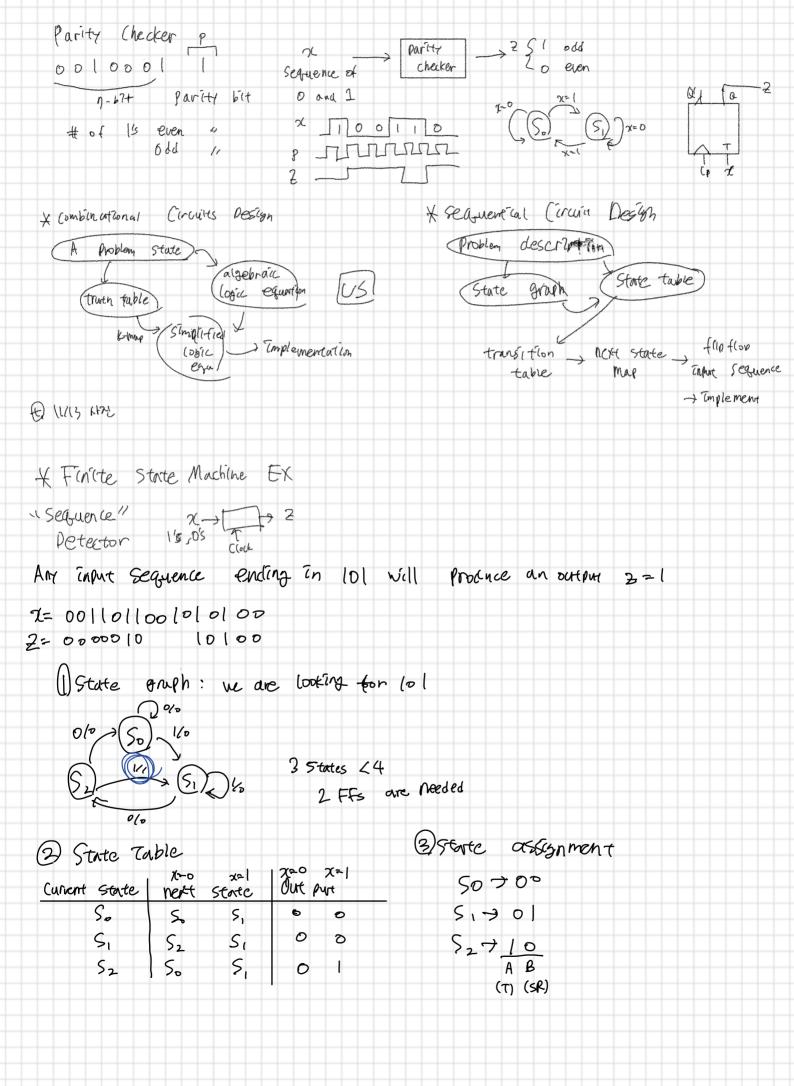
R D O 2) SR flip-flop Graphic Symbol 1 1 2 Not allowed Characteristic table excitation table 3 D frip- thop 0 0 0 @ JK Frip- +lop 10' 10 J K Q\* Comment Q Q\* J K

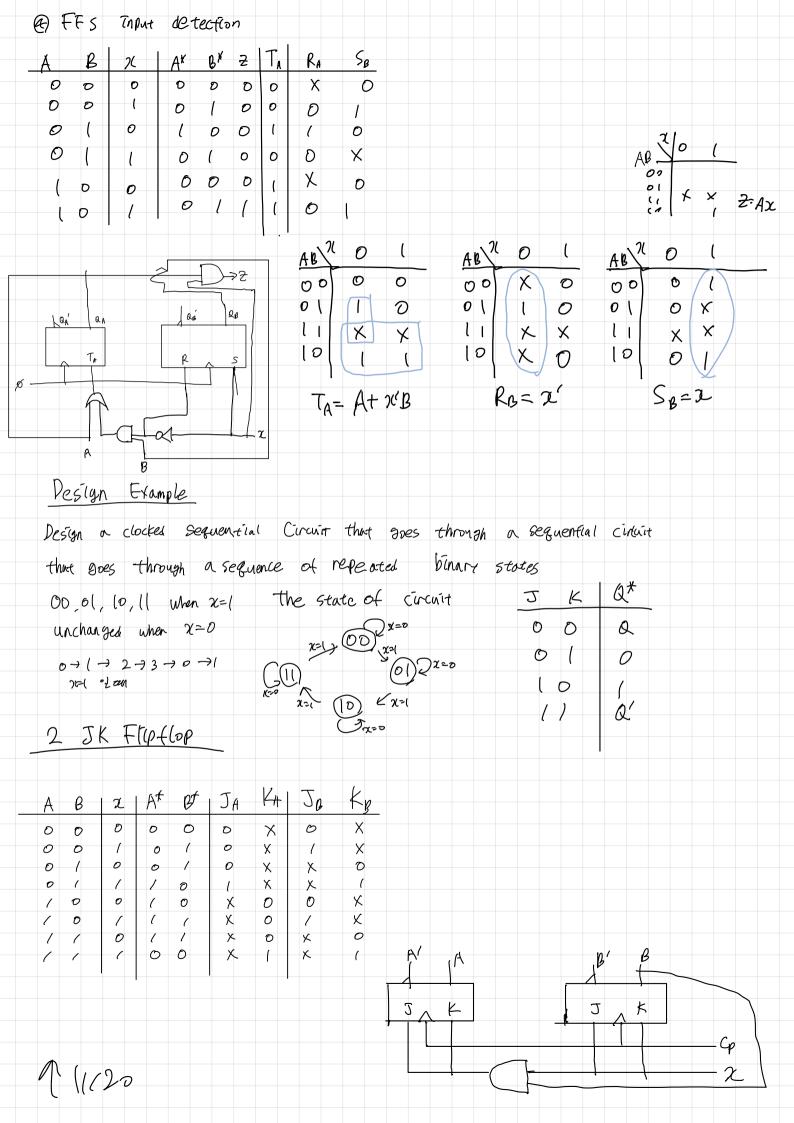
| X J O O Q no change O O O X

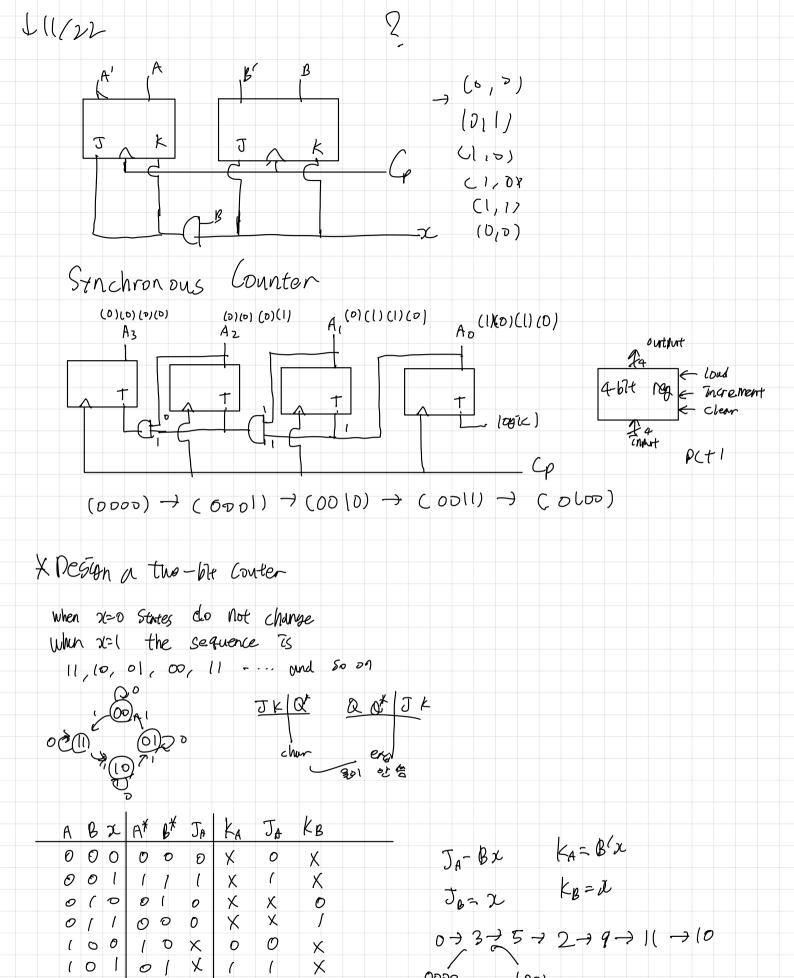
| X J O | O Clear | O X |

1 O | Set | O X |

1 | Q' com plement | I | X O 2 T- HIP FLOP O' | Q T QX Comments
O Q No Chanse
O Q Complement Q | Q\* | T







50/01 J

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