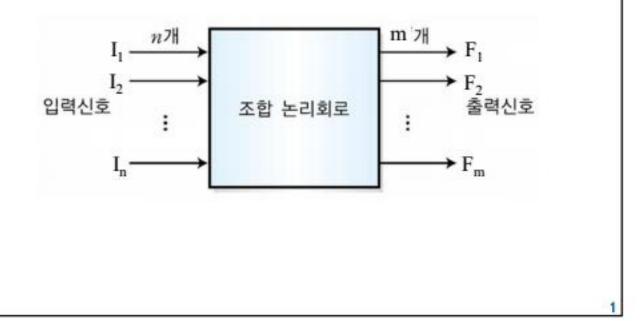
조합회로 정리

- 입력 변수들이 출력값을 결정한다.
- F_i (입력변수들) = 출력값



1

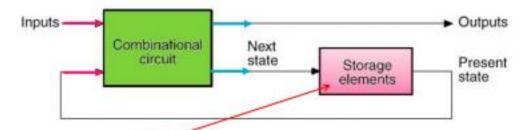
Sequential Circuits p.185

순차회로 = 조합회로 + 2진 정보 기억요소

기억요소 : 정보를 저장할 수 있는 회로

Sequential Circuit Definitions p.186

■ 순차회로의 블록 다이어그램



- 상태(state)
 - 주어진 시간에 기억장치 요소에 <u>저장된 2진 정보</u>
- 순서회로 함수의 표현
 - F(입력, 현 상태) = 출력, 다음 상태

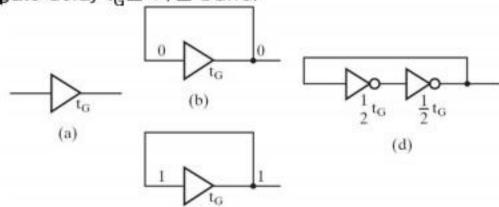
3

Logic Structures for Storing Information

■ 무한 저장 구조

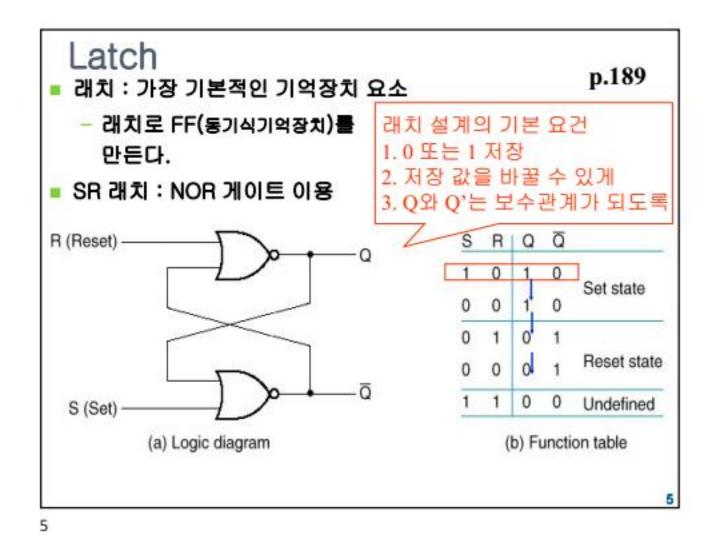
p.187

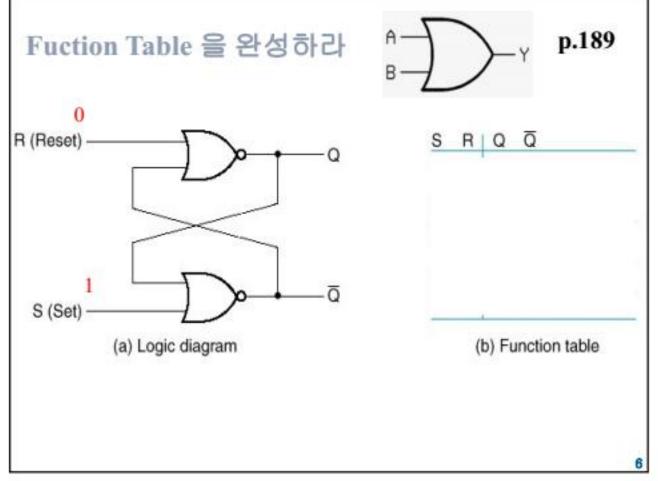
■ (a) gate delay t_G를 가진 buffer

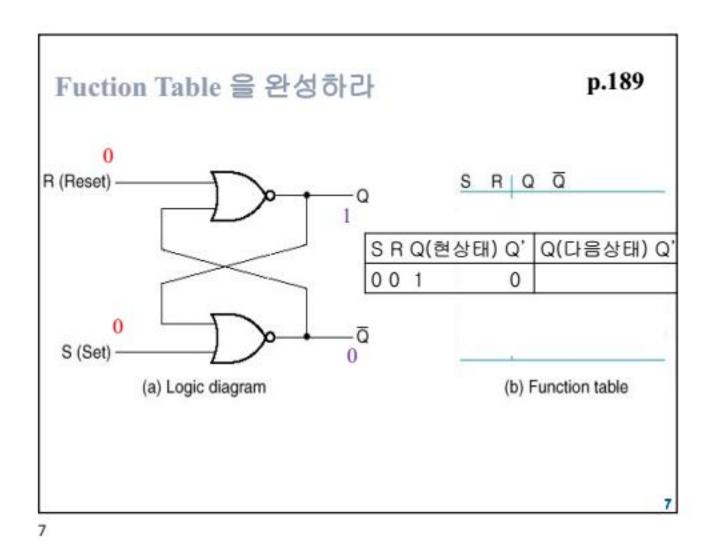


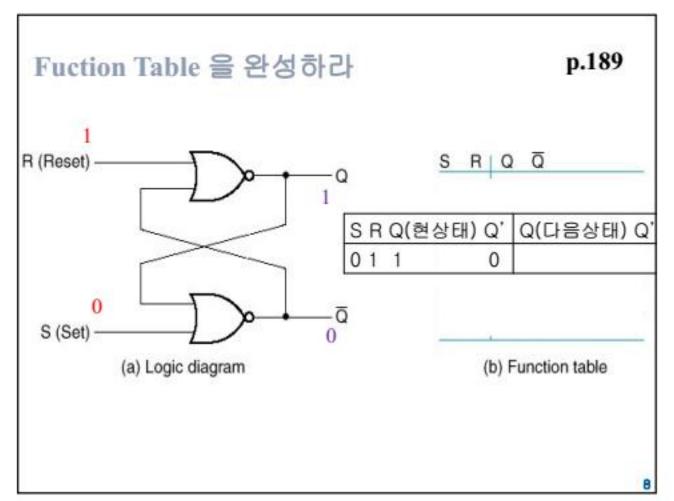
- 가정 : (b)(c)(d) 무한히 임의 정보를 저장할 수 있다.
- (d)의 회로를 바꾼다면 비동기식 기억장치가 가능하지 않을까?

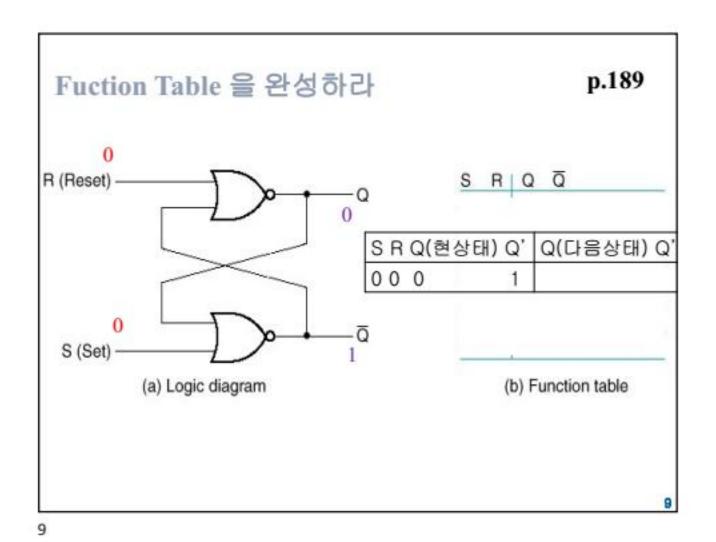
- 입력값에 따라 원하는 값(1,0)을 저장할 수 있게 하자.

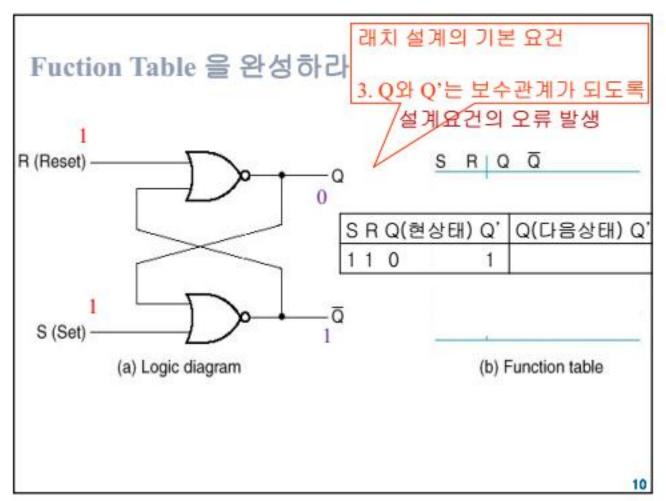


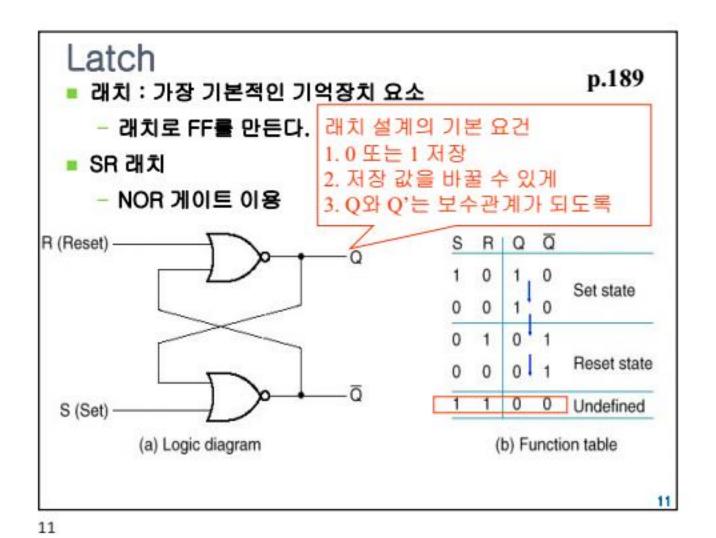


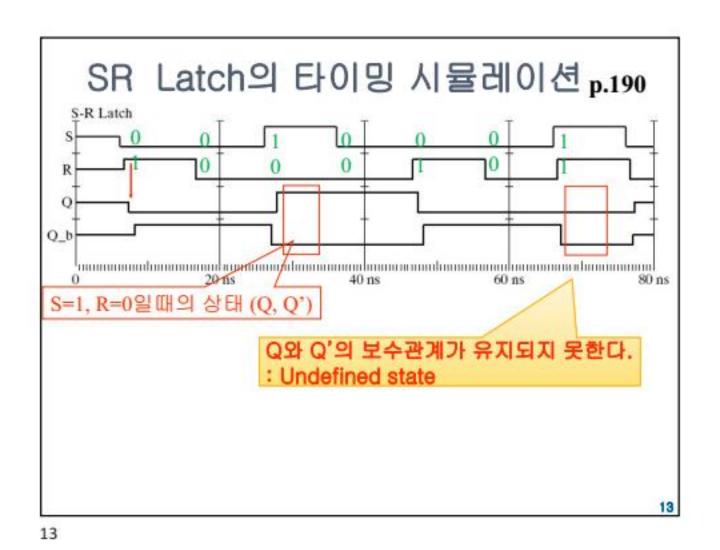


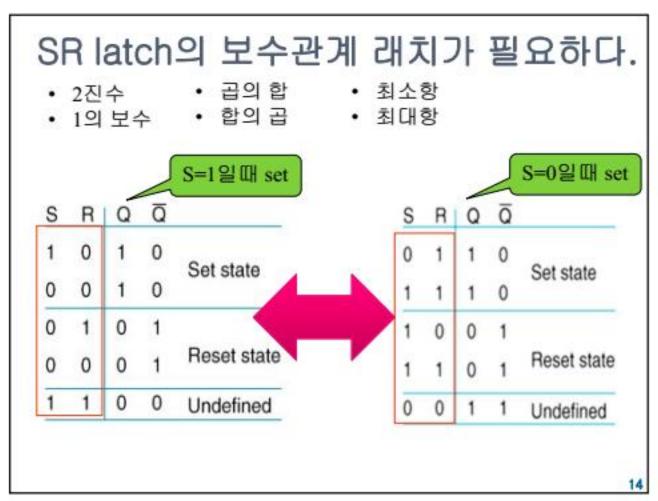




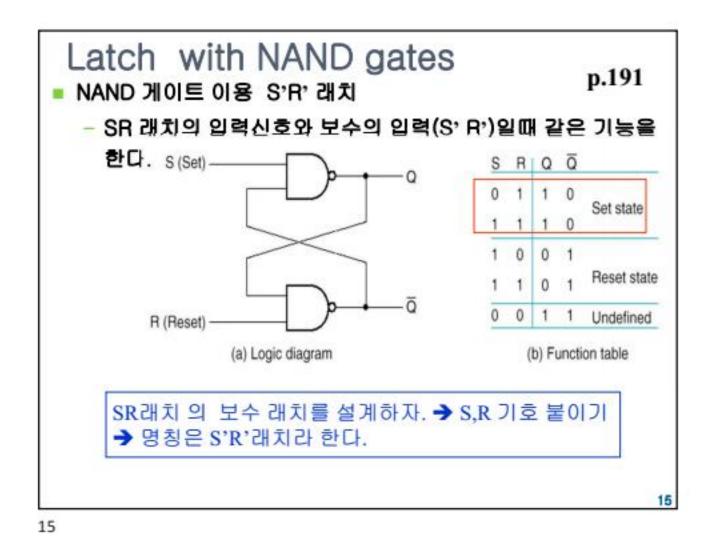


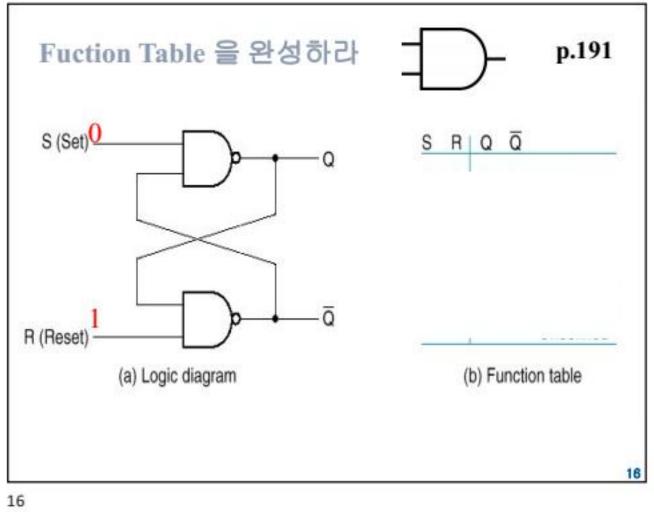


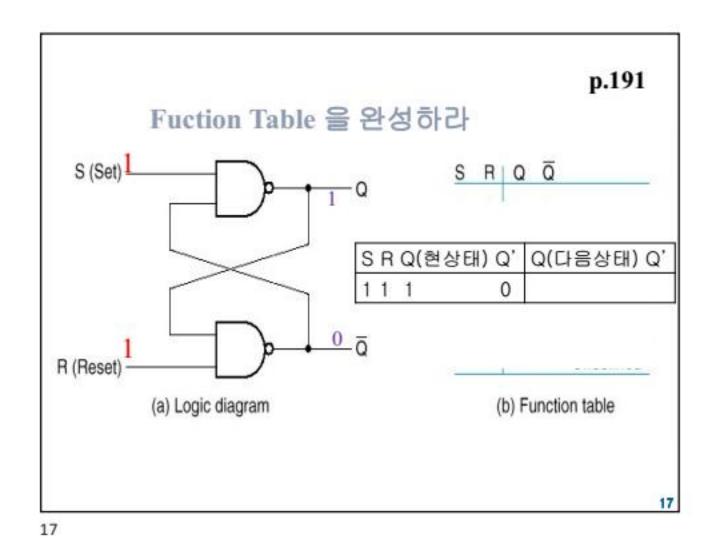


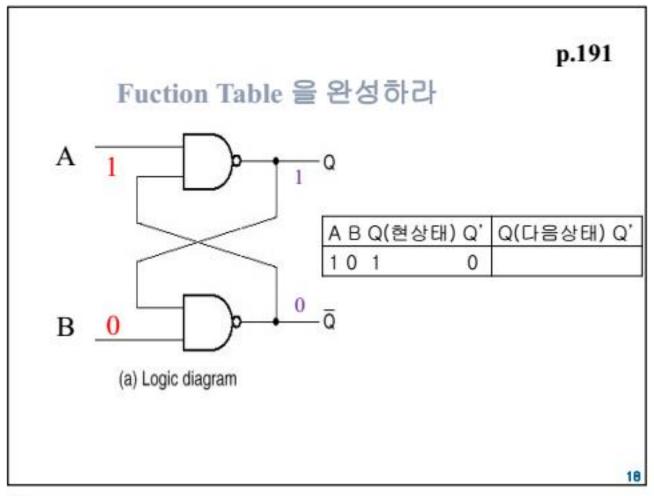


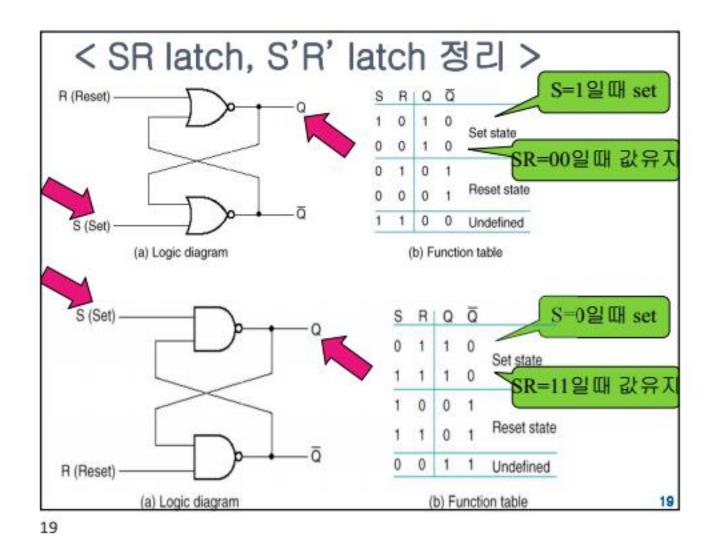
-

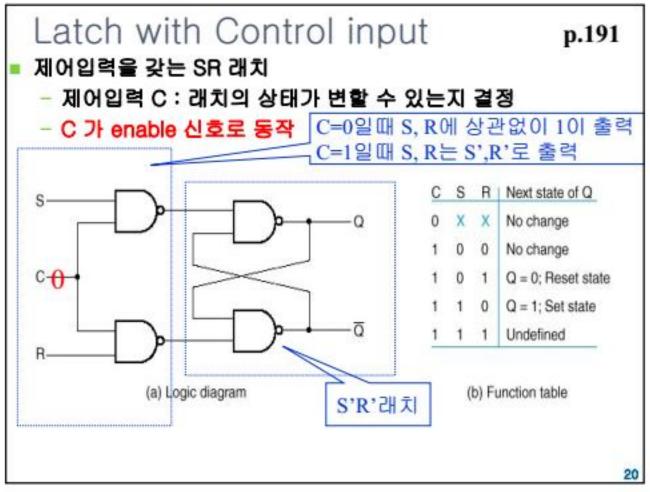


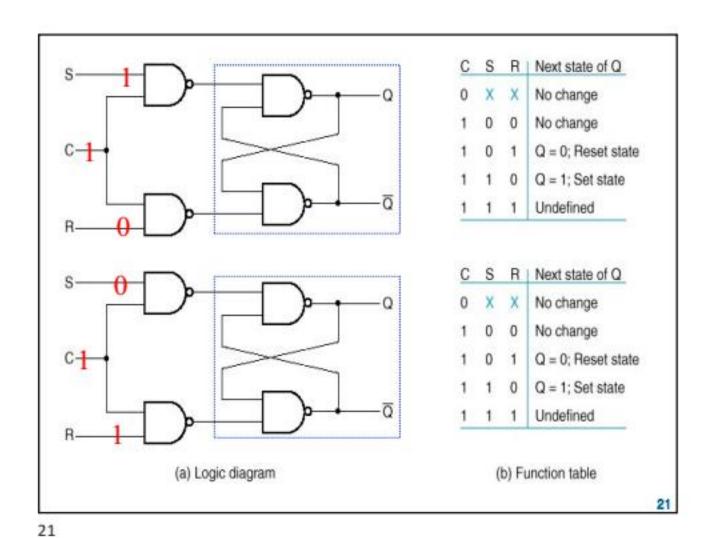


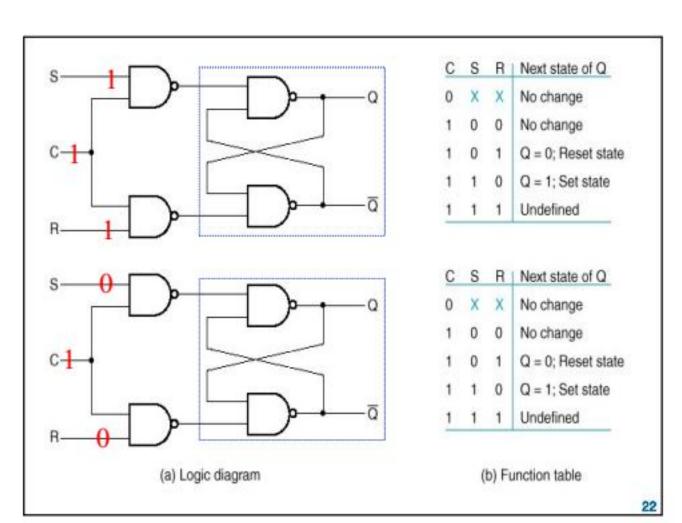


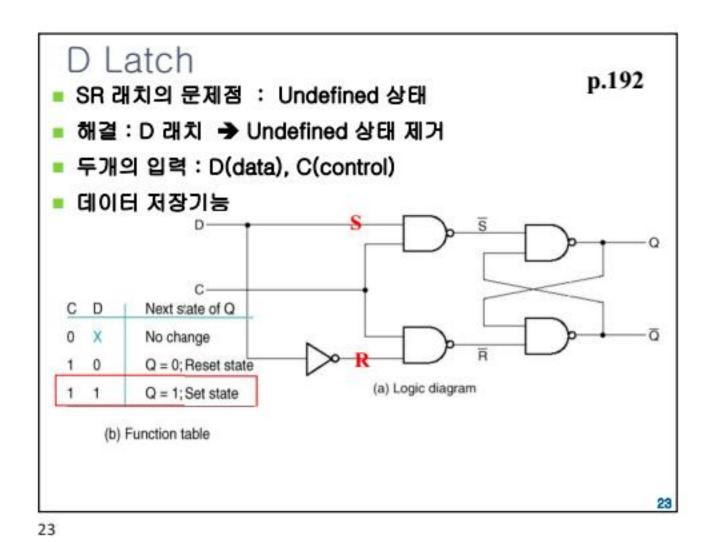












Fuction Table 을 완성하라 p.192

D
C
(a) Logic diagram

