

ERD 표기법

I/E 표기법 & Barker 표기법

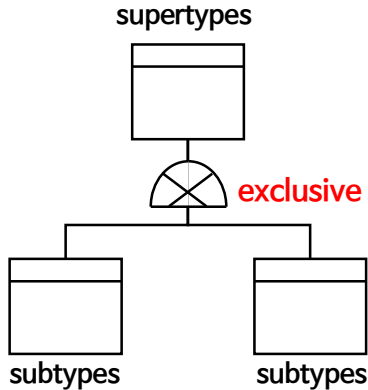
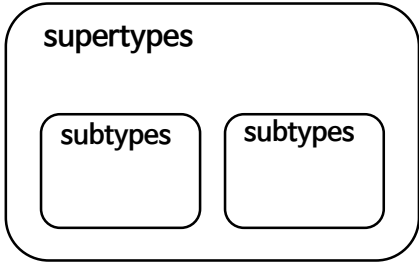
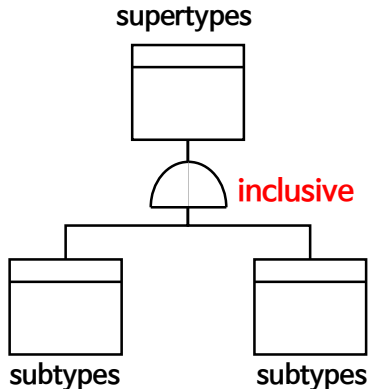
ERD 표기법

■ 엔터티, 속성 표기법

항목	I/E 표기법	Barker 표기법
엔터티	<div>엔터티명</div> <div></div>	<div>엔터티명</div>
속성	<div>엔터티명</div> <div><div>식별자속성</div><div>일반속성1</div><div>일반속성2</div><div>...</div></div> <div>선을 기준으로 위에 있으면 “식별자 속성” 아래에 있으면 “일반 속성”</div>	<div>엔터티명</div> <div># 식별자속성</div> <div>* 일반속성1</div> <div>o 일반속성2</div> <div>...</div> <div># : 식별자 속성 앞에 * : 필수 속성 (not null) 앞에 o : 선택 속성 (nullable) 앞에</div>

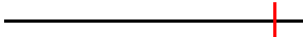

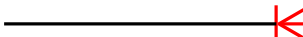
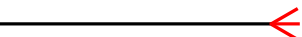
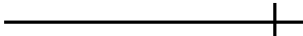




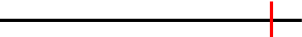


ERD 표기법

슈퍼타입/서브타입 표기법

항목	I/E 표기법	Barker 표기법
배타적 관계 (Exclusive)		
포함적 관계 (Inclusive)		표기법 미 존재

ERD 표기법

▪ 관계 표기법

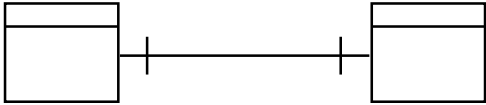
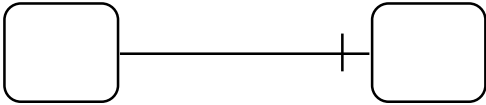
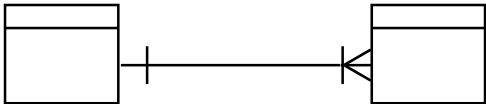
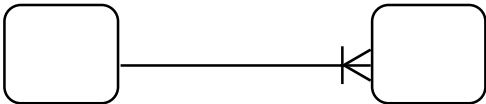
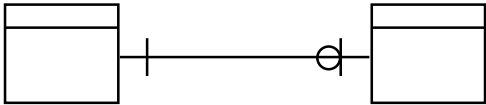
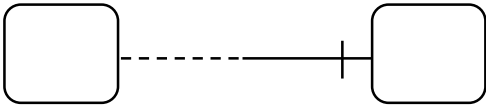
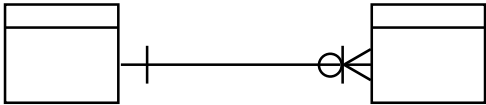
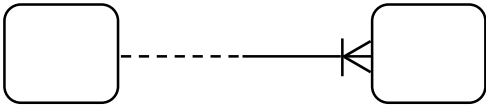
항목	I/E 표기법	Barker 표기법
관계 차수(1)	 “ ”로 표시	 Default
관계 차수(M)	 까마귀 발 모양	 까마귀 발 모양
관계 선택성(필수)	 “O”가 없음	 1) 관계 선 절반이 실선
관계 선택성(선택)	 “O”가 존재	 1) 관계 선 절반이 점선
식별 관계	 관계 선 전체가 실선	 2) UID Bar 존재
비식별 관계	 관계 선 전체가 점선	 2) UID Bar 없음

1) 상대방 엔터티 쪽의 관계 필수/선택 참여 여부를 표현 (읽는 방향 주의)

2) UID Bar : Unique ID Bar

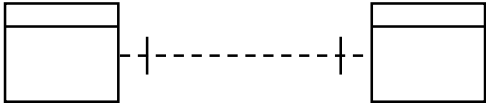
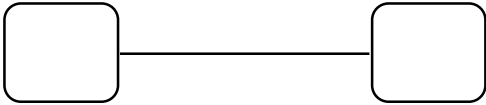
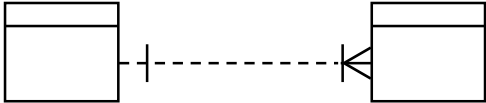
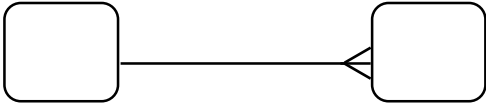
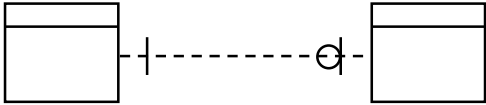
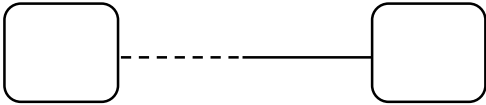
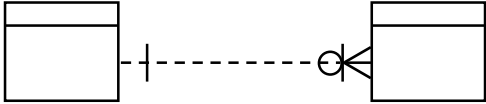
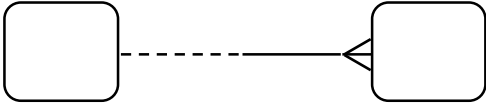
ERD 표기법

관계 종류 (식별 관계)

항목	I/E 표기법	Barker 표기법
1:1 필수 참여		
1:M 필수 참여		
1:1 선택 참여		
1:M 선택 참여		

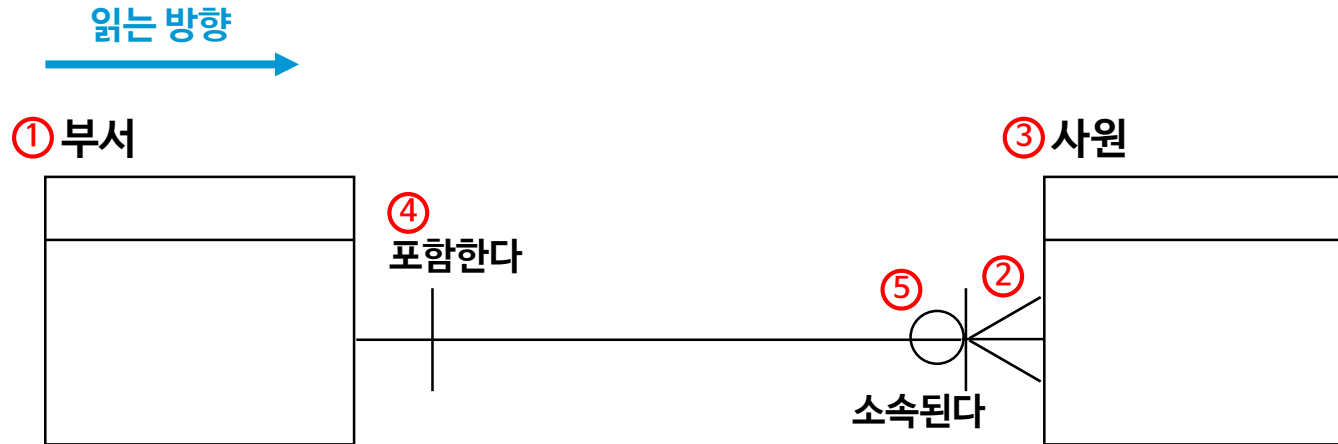
ERD 표기법

▪ 관계 종류 (비식별 관계)

항목	I/E 표기법	Barker 표기법
1:1 필수 참여		
1:M 필수 참여		
1:1 선택 참여		
1:M 선택 참여		

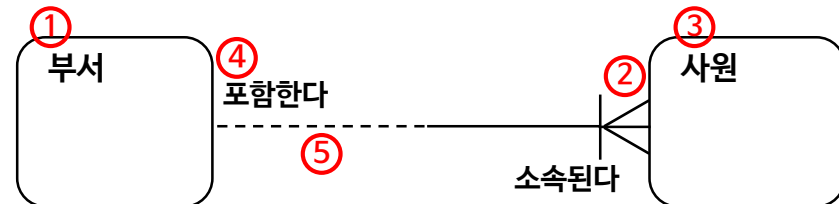
ERD 표기법

▪ 관계 읽기 (I/E 표기법)



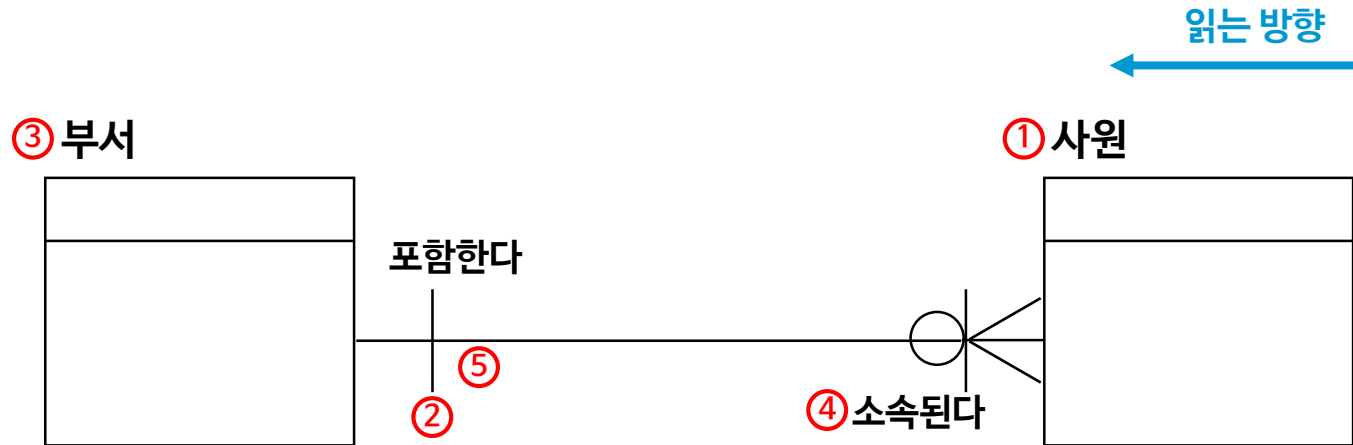
① 하나의 부서는 ② 여러 명의 ③ 직원을 ④ 포함 ⑤ 할 수 있다

Barker 표기법



ERD 표기법

▪ 관계 읽기 (I/E 표기법)



① 한 명의 사원은 ② 하나의 ③부서에 ④소속된다 ⑤ 반드시

Barker 표기법

