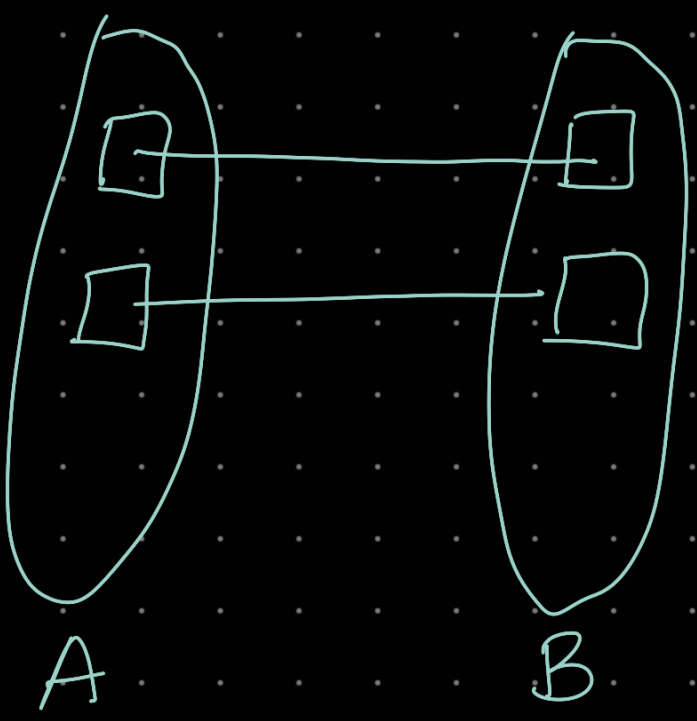
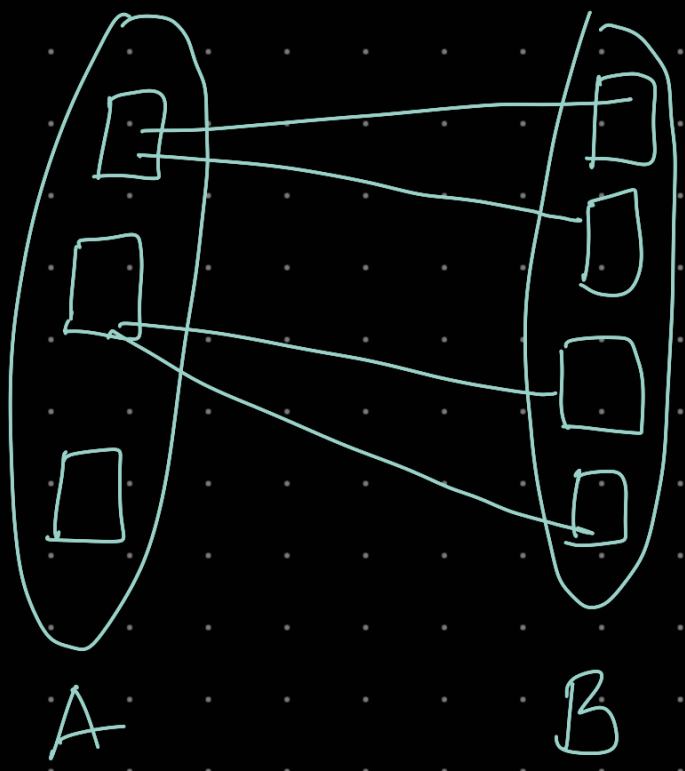
[Relationship]

① 1 - to - 1



A ⟷ B
(at most 1)

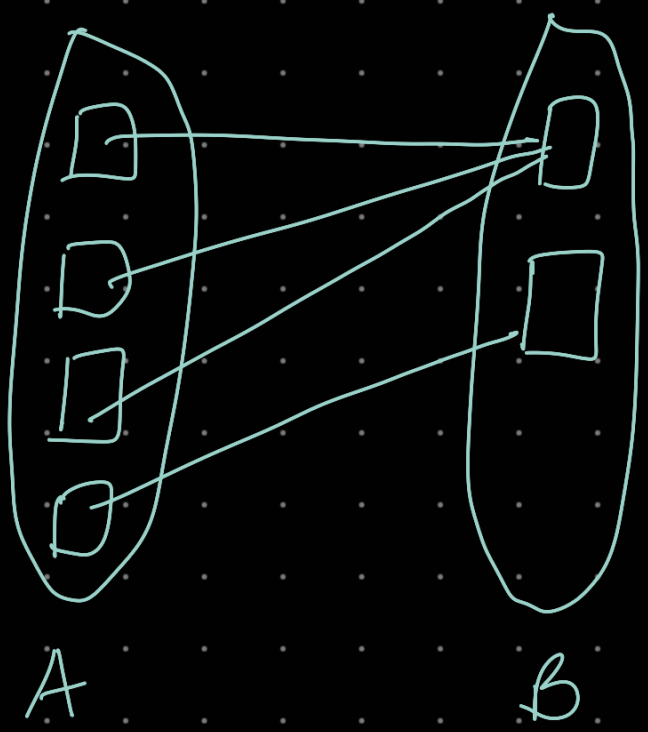
② 1 - to - many



A → B
(zero or more)

A ← B
(at most 1)

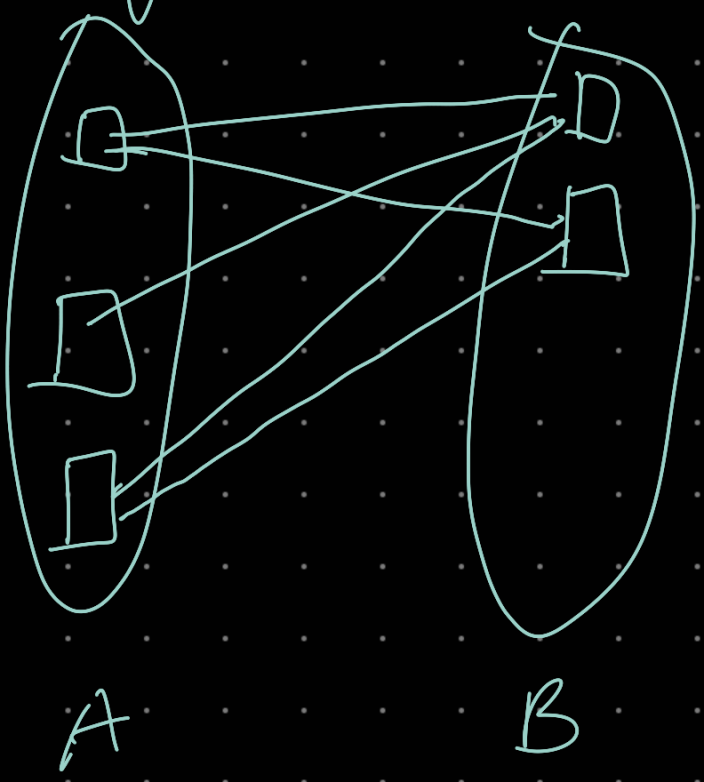
③ Many-to-1



A —(at most 1)→ B

A ←(zero or more)— B

④ Many-to-Many



A —(zero or more)→ B

A ←(zero or more)— B

① Degree → How many entity sets participating.

Binary relationship

↳ Degree = 2

② Cardinality ratio

↳ (Max) number of relationship an Entity can participate

(i) 1-to-1 → 1 : 1

(ii) 1-to-many → N : 1

(iii) Many-to-1 ⇒ 1 : N

⇒ could be Interchanged

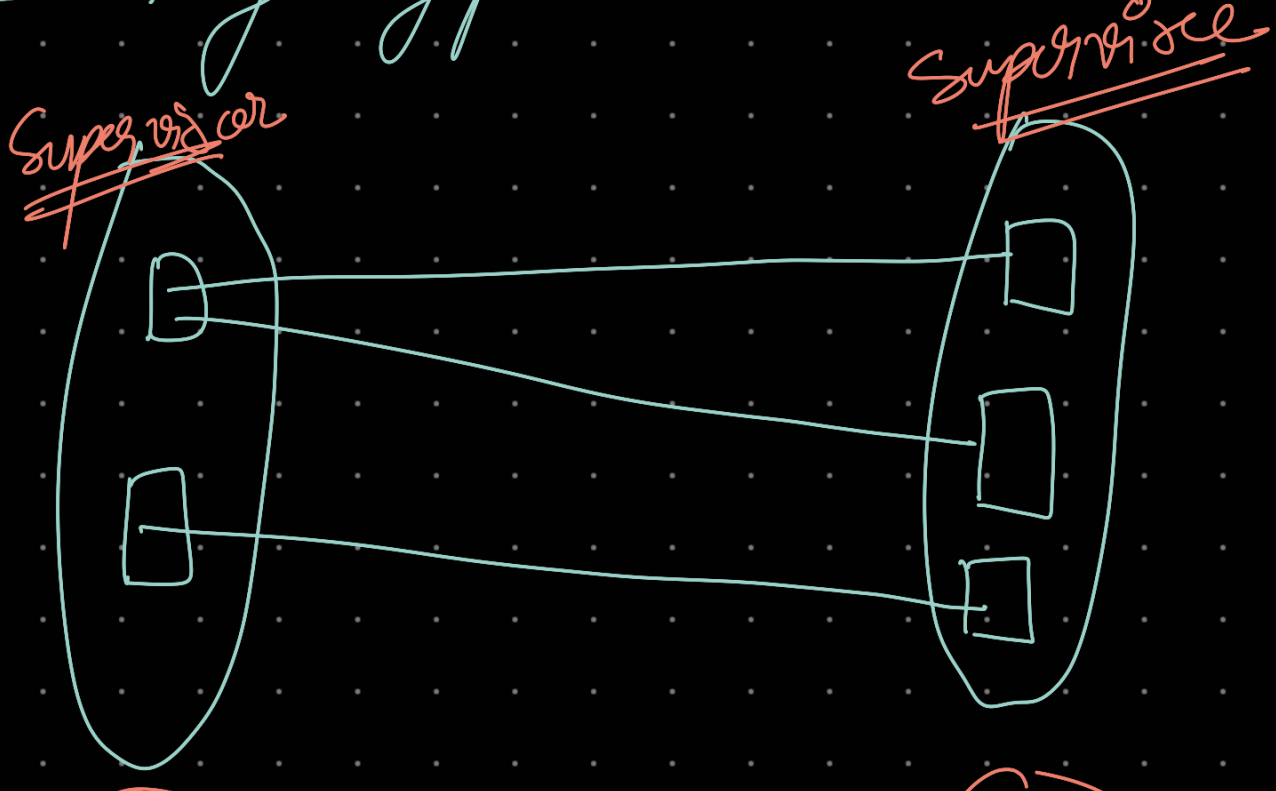
(iv) Many-to-many ⇒ M : N

⇓

Depends on perspective

③ Participation or existence

↳ Minimum no. of relationship an Entity can participate

[Recursive Relationship]

↳ Relationship within Same Entity type