

Mapping Cardinality (Cardinality)



⇒ One Entity को दूसरी Entity का एक सम्बन्ध Associating

Mapping पर Association b/w Entity sets.

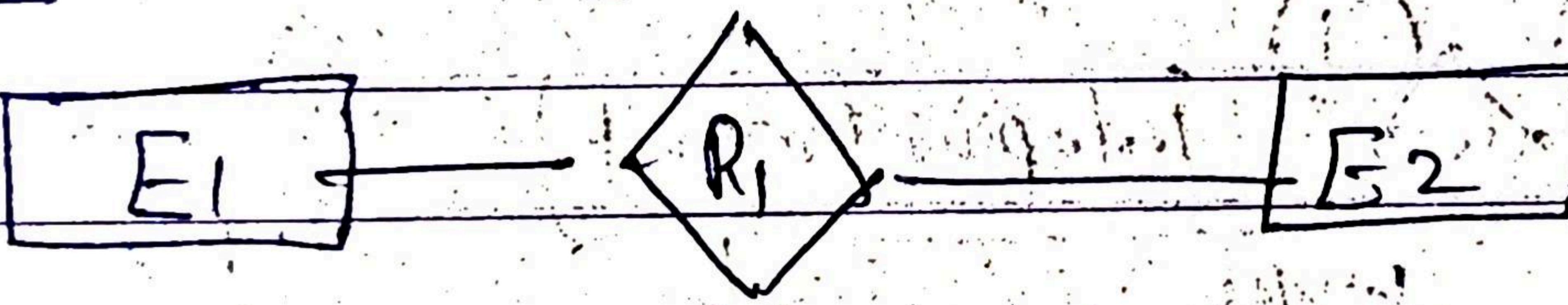
⇒ One to One (1:1)

- One to May (1:m)

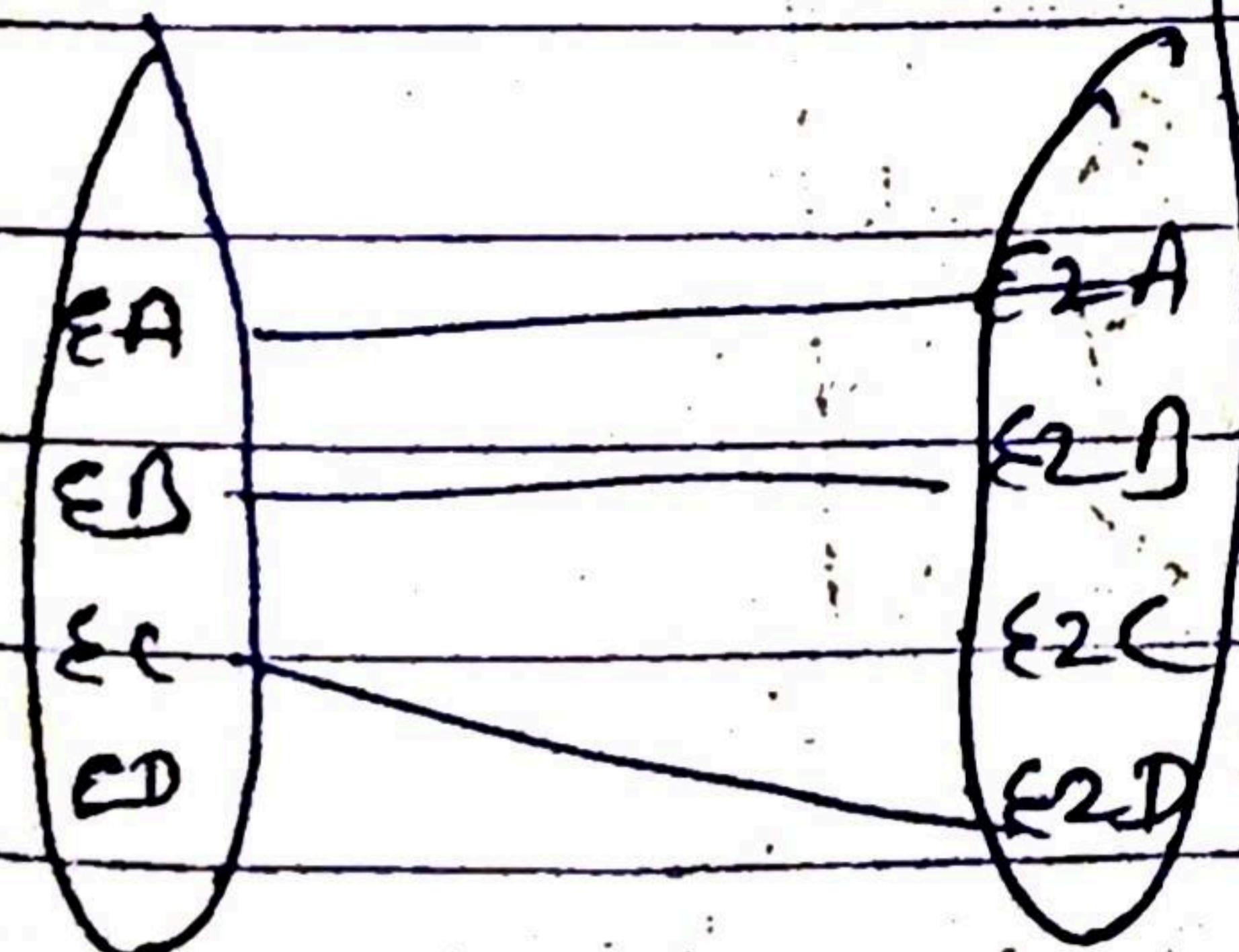
- May to May one (m:1)

- May to May (m:N)

① One to One (1:1)



E1 E2 ↳ at most one entity



अब 1:1 Entity बनाते हैं

India citizen

		addr	numey
ID	Name	Address	ID
1	A	A-1	1
2	B	A-2	
3	C	A-3	
4	D	A-4	
5	A		
6	X		
7	Y		

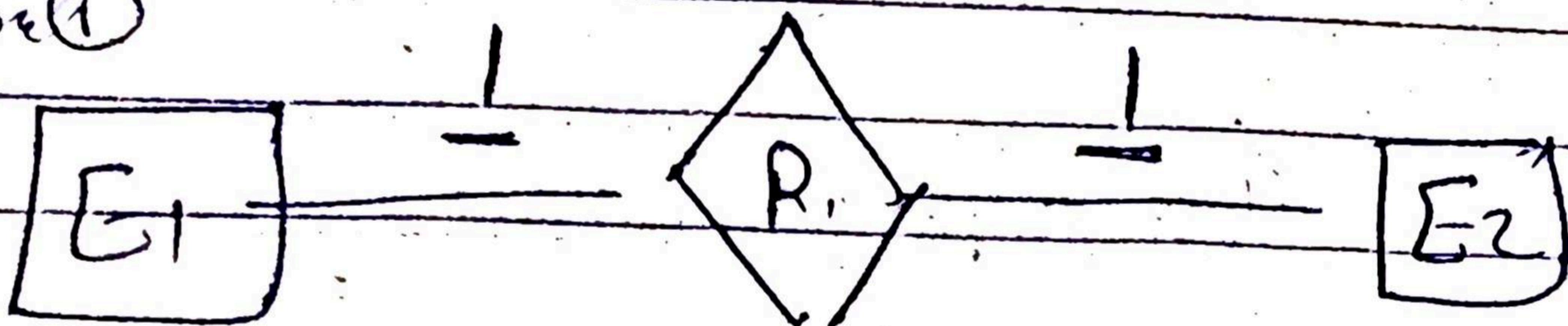


at most one

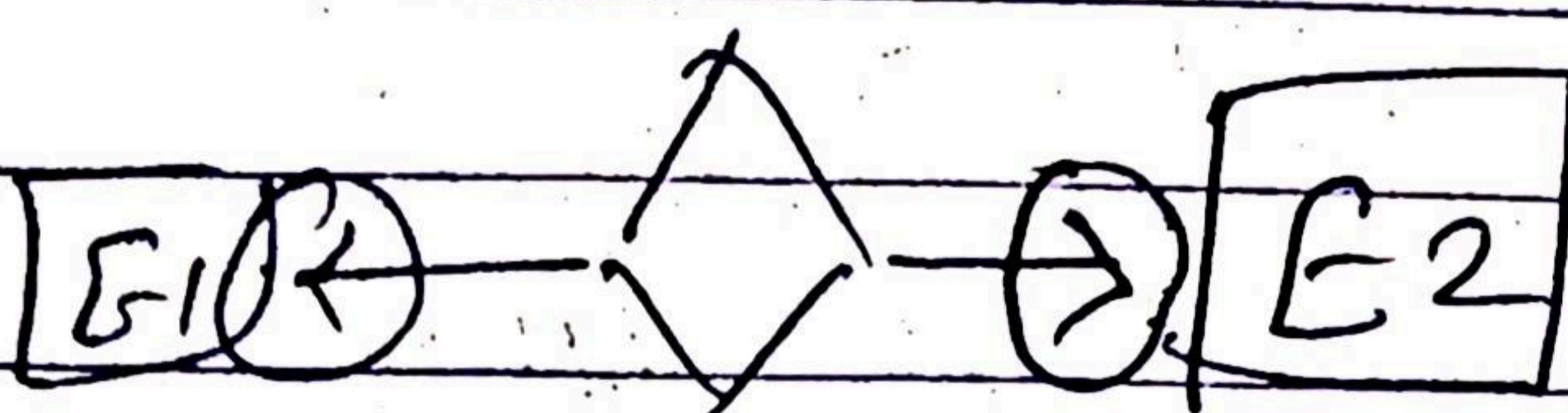
(25) (73)

Representation (1:1)

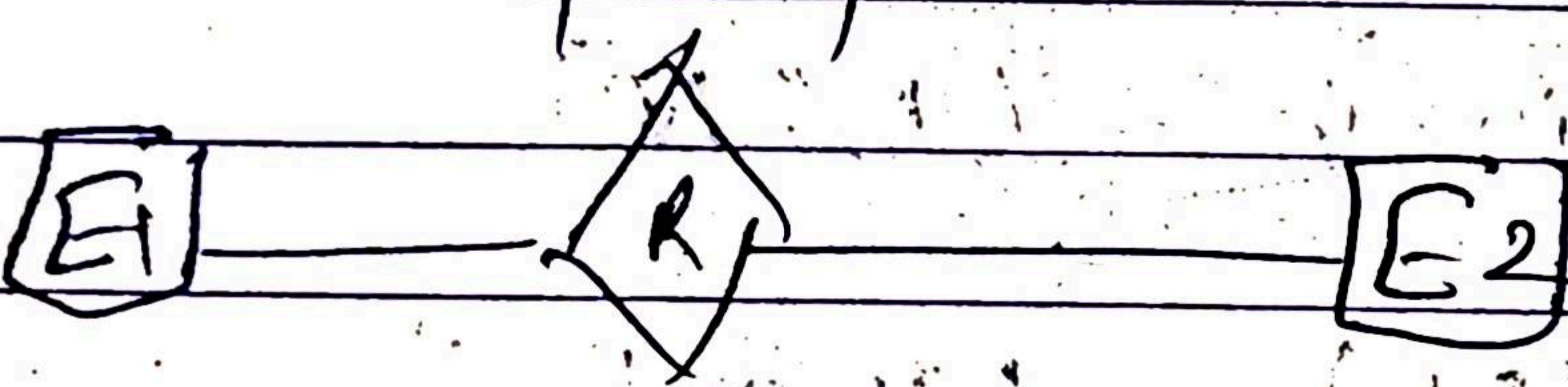
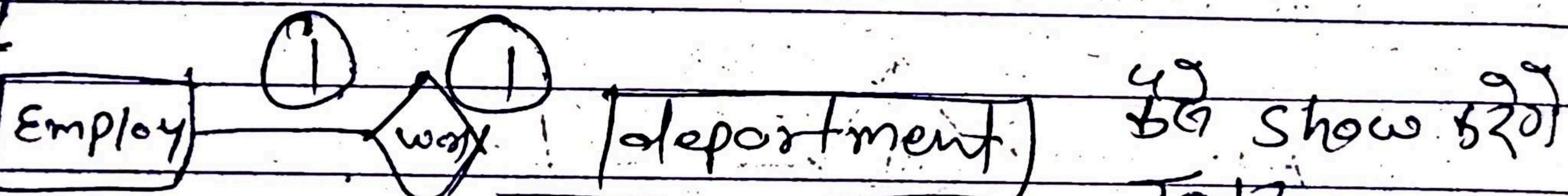
Type ①



Type 2 representation

~~format~~~~more~~

One-to-one Relationship (1:1)

Example

↳ Show 520

Tables

E-ID	E-Name	E-Iq	d-ID	d-Name
E1	A	E1	d-1	X
E2	B	E2	d-2	Y
E3	C	E3	d-3	Z

One-to-one relationship \rightarrow One key \leftrightarrow One key

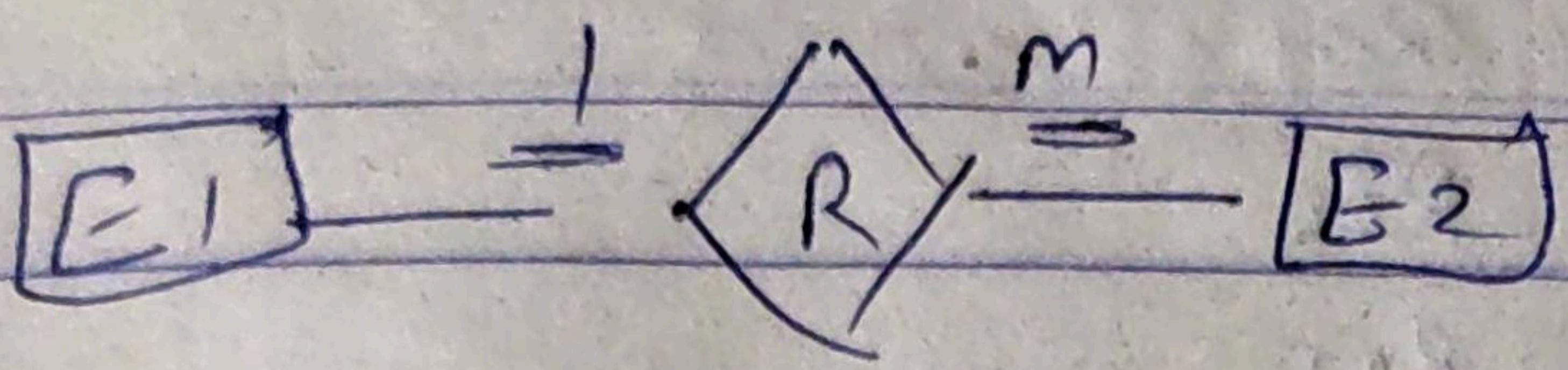
↳ works is primary key of Employ

E-ID - d-ID \leftrightarrow primary key of both

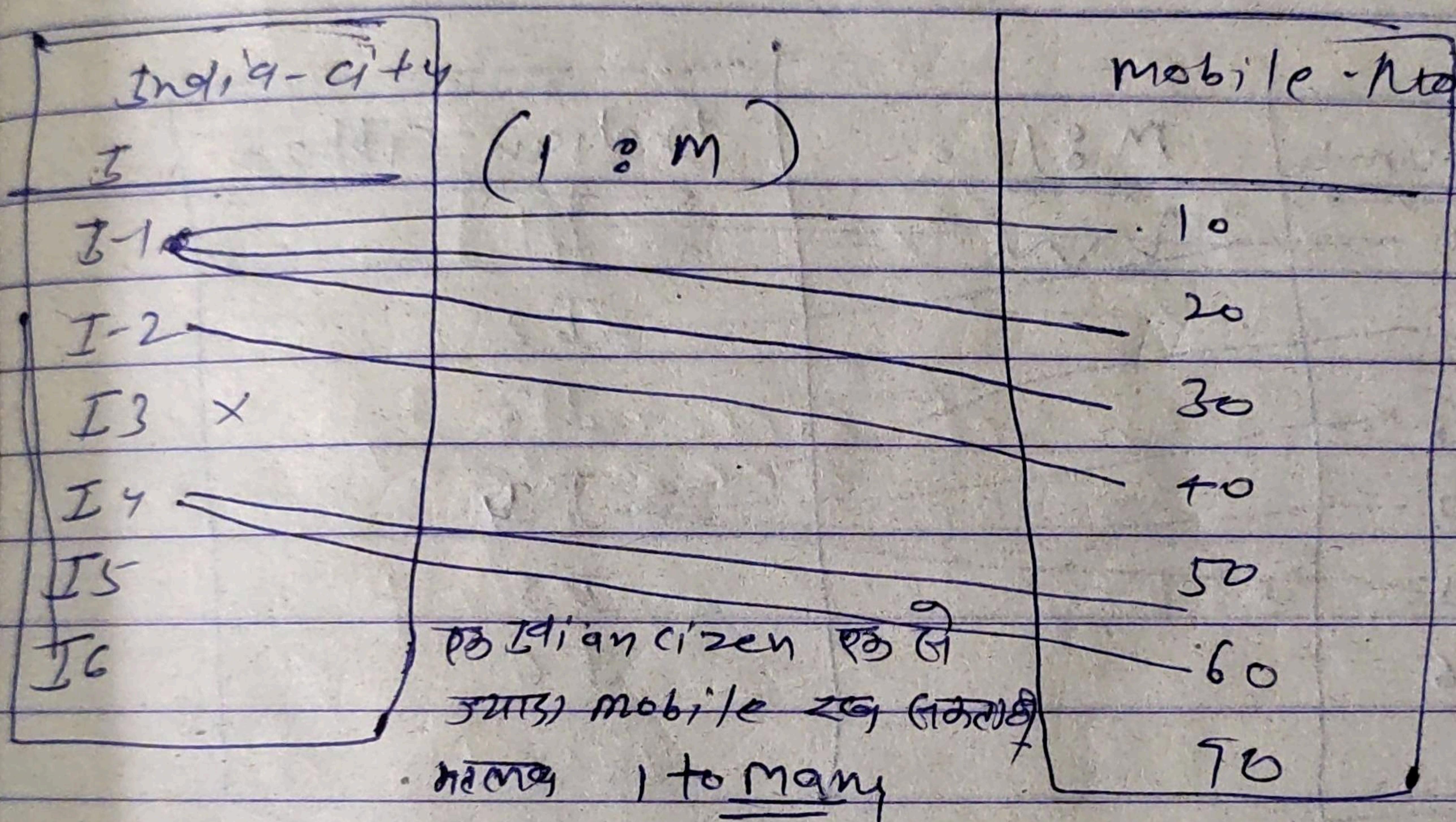
entity.

Both \leftrightarrow primary key

⑧ one to many (1:m) :-

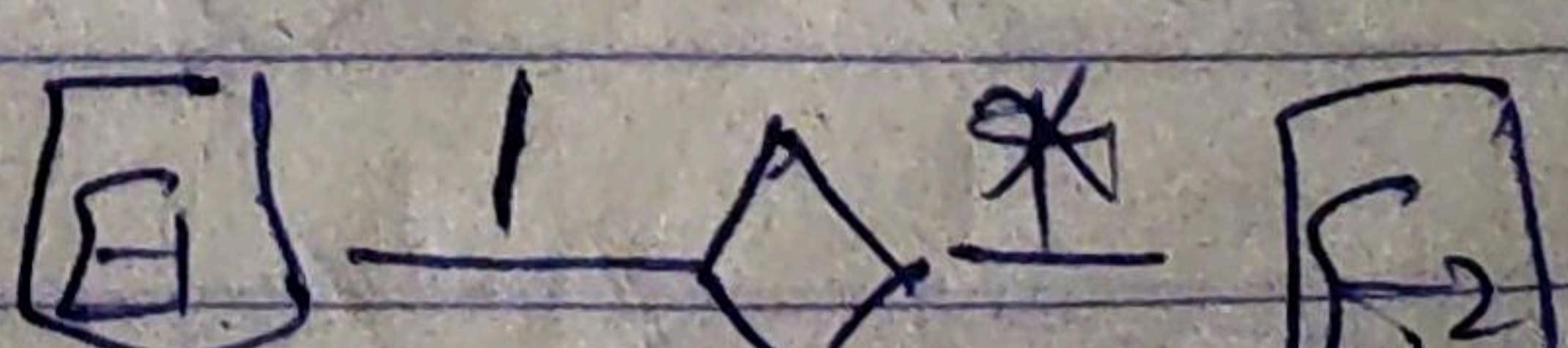
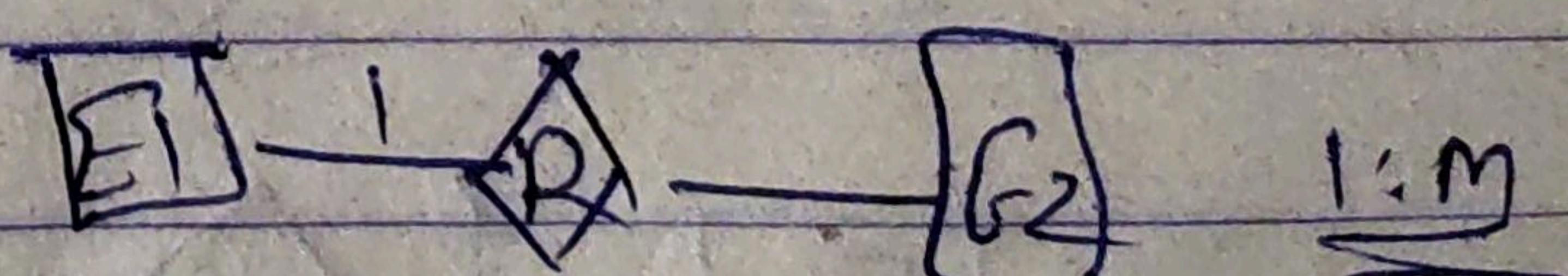
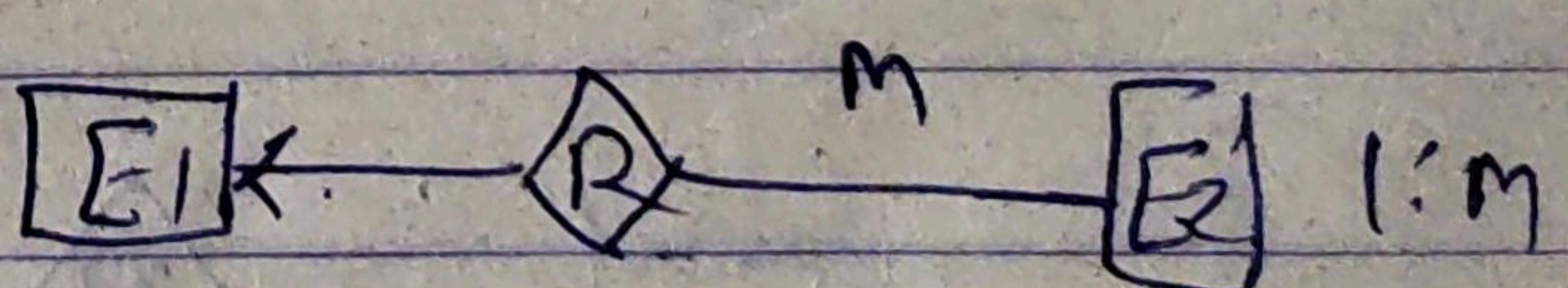
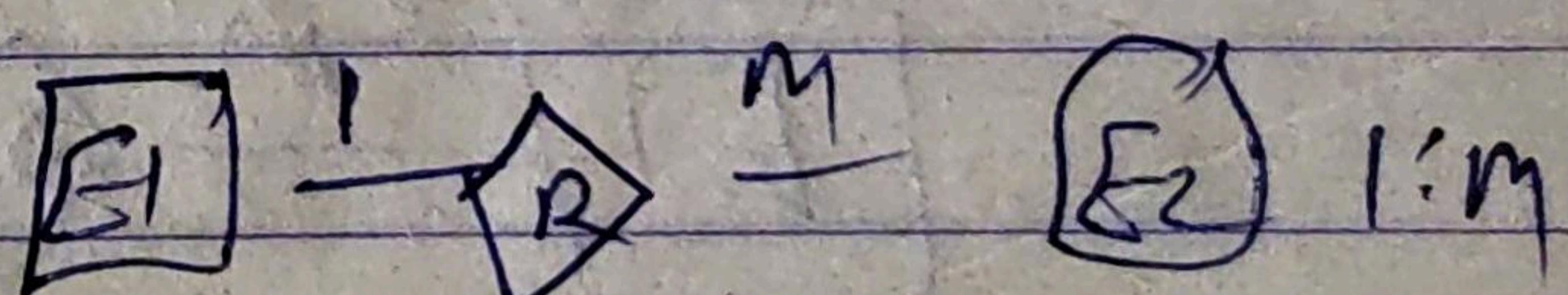


↪ E₁ is entity & E₂ is other entity
entity & many Association exist

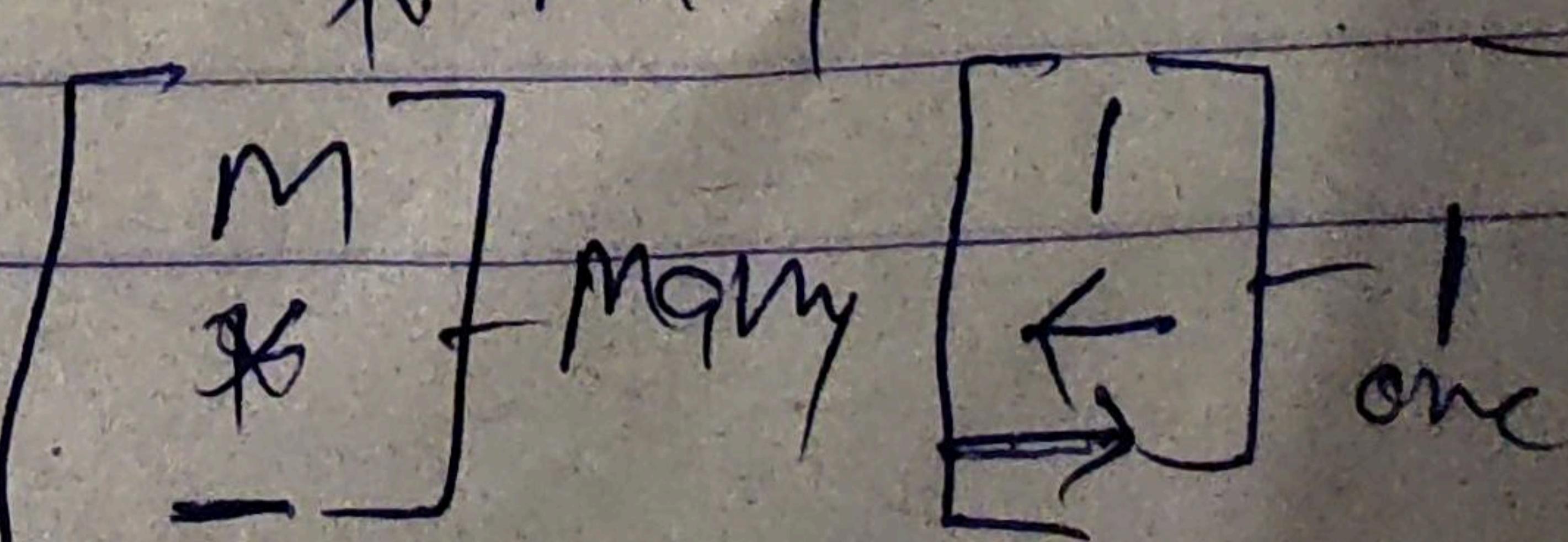


Single customer, multiple Account

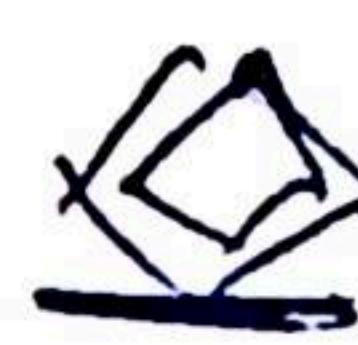
Representation one to Many



* many 3rd party used



Many to one (M:1)



R₁

R₁₁

R₁₂

R₁₃

R₁₄

R₁₅

R₂

R₂₁

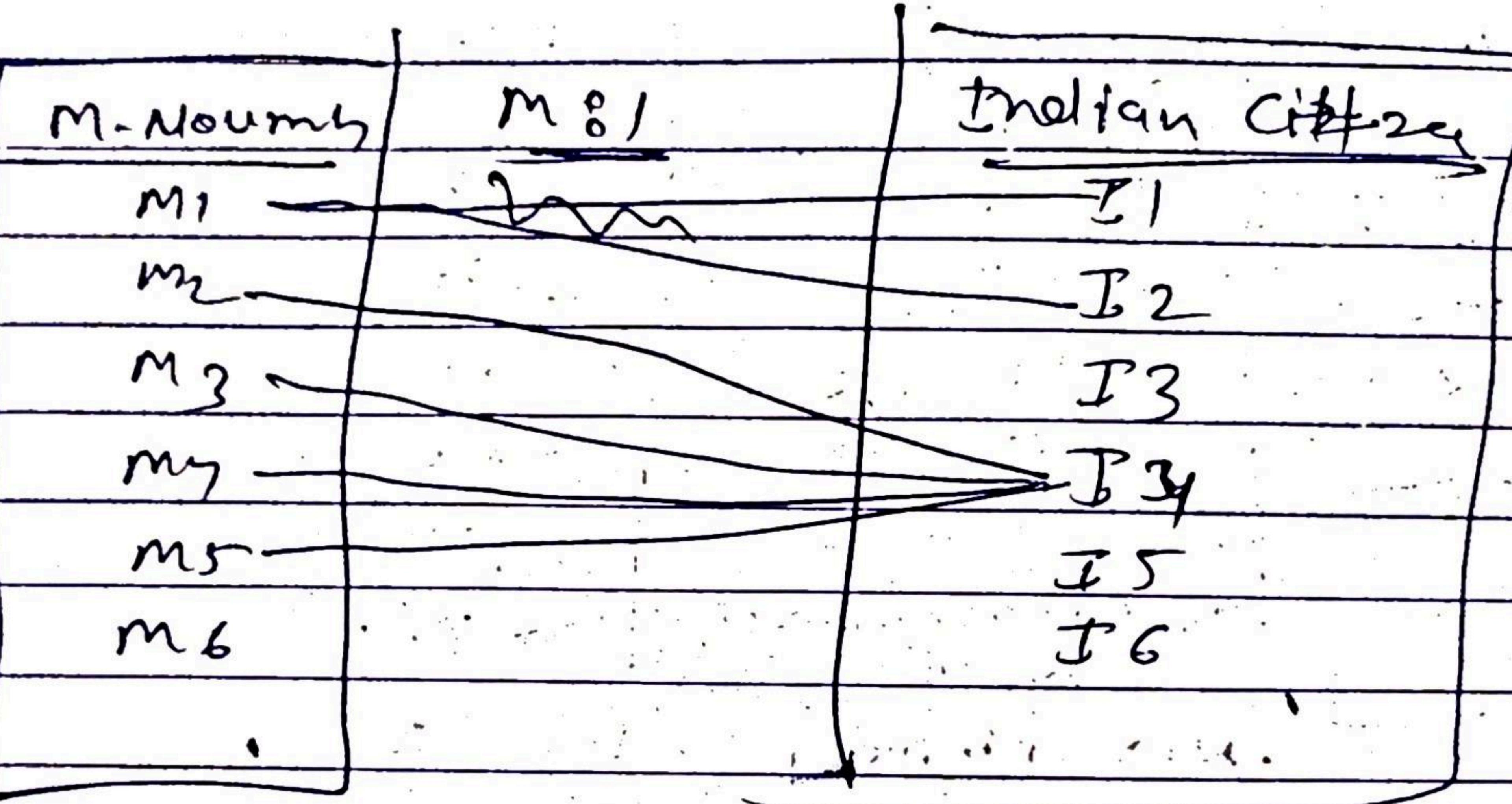
R₂₂

R₂₃

R₂₄

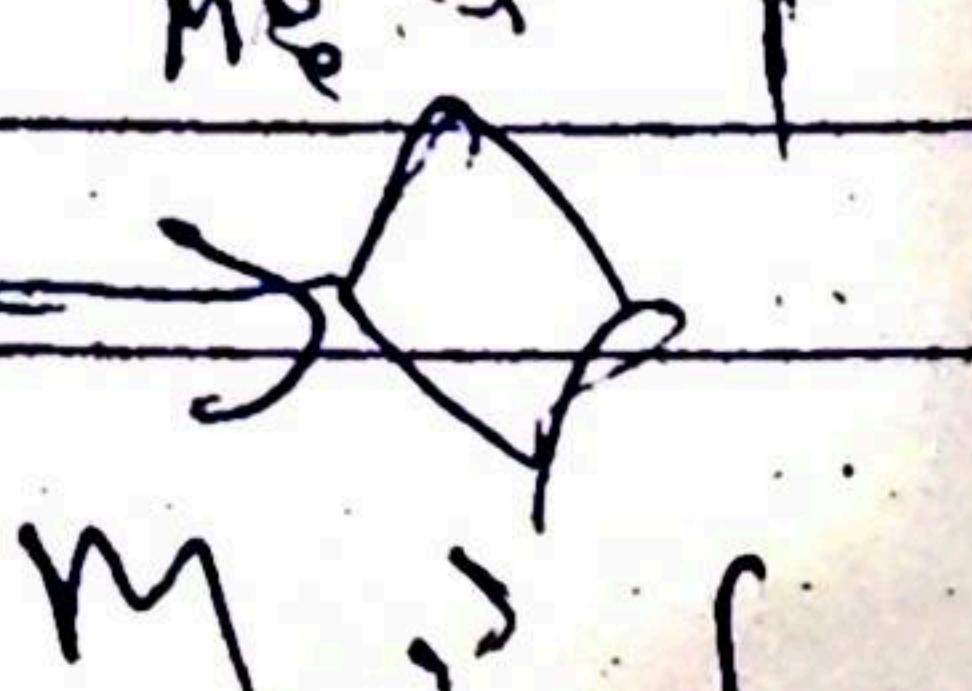
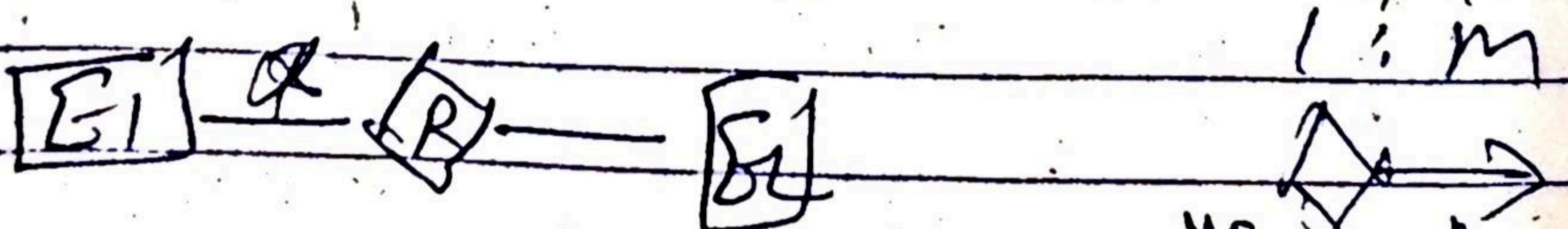
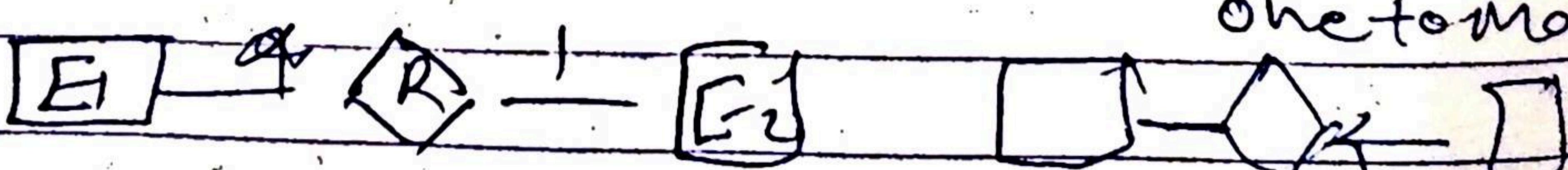
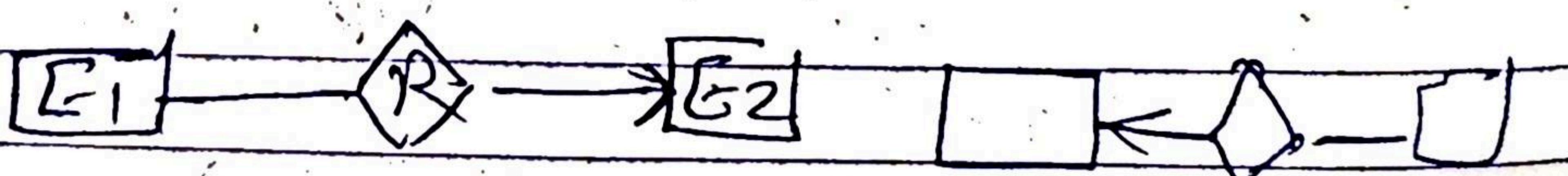
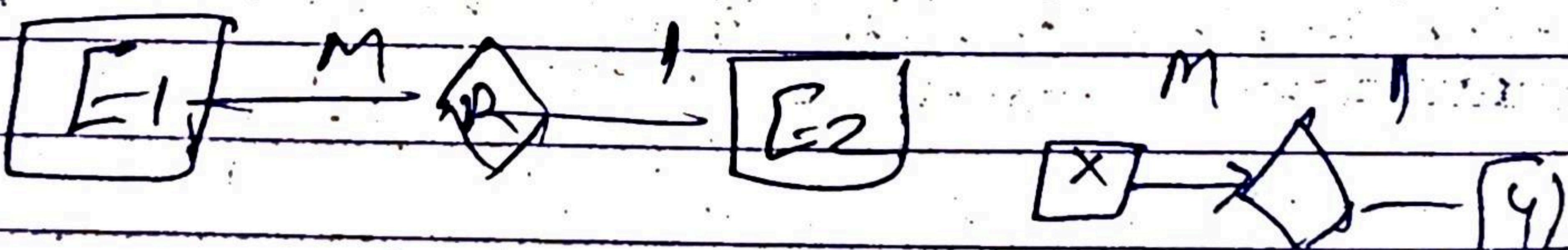
R₂₅

R₂₆

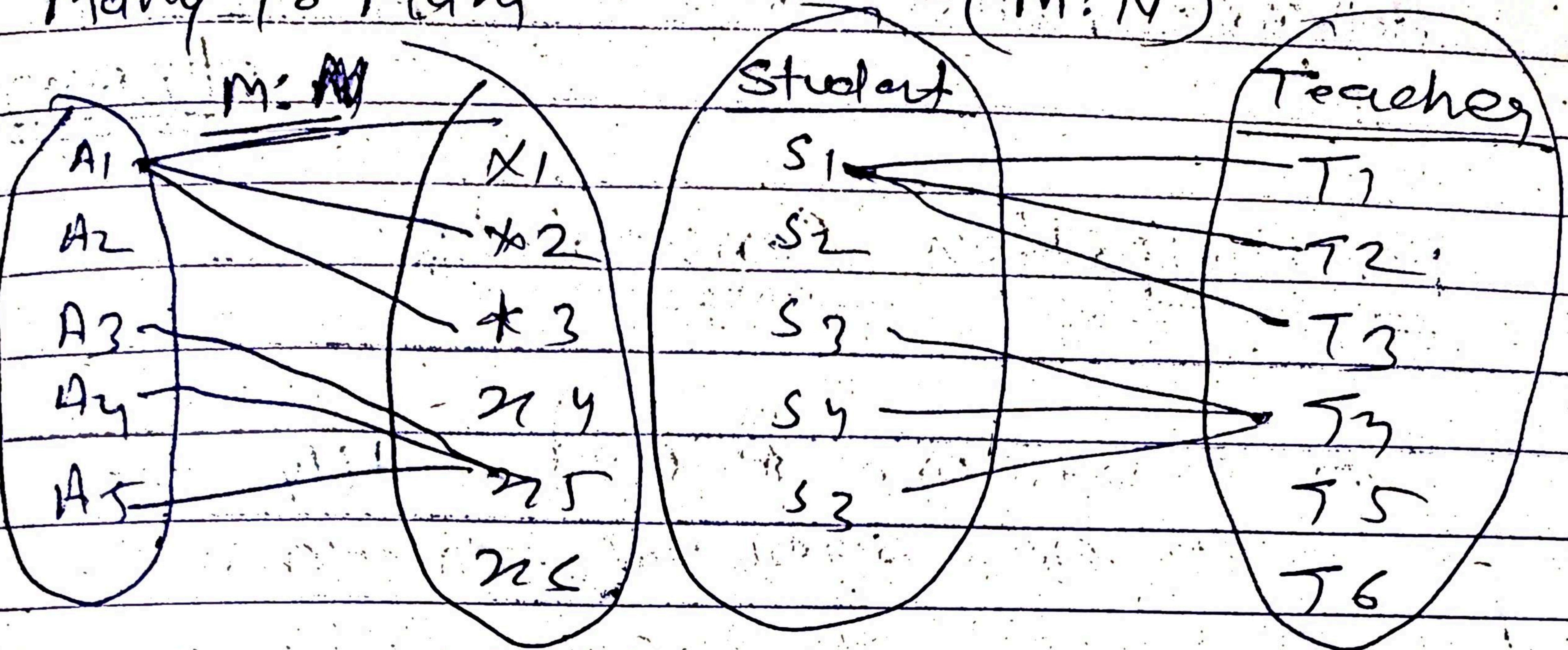


Many type

one to many
relationship



(W) Many to Many



Representation (m:N)

