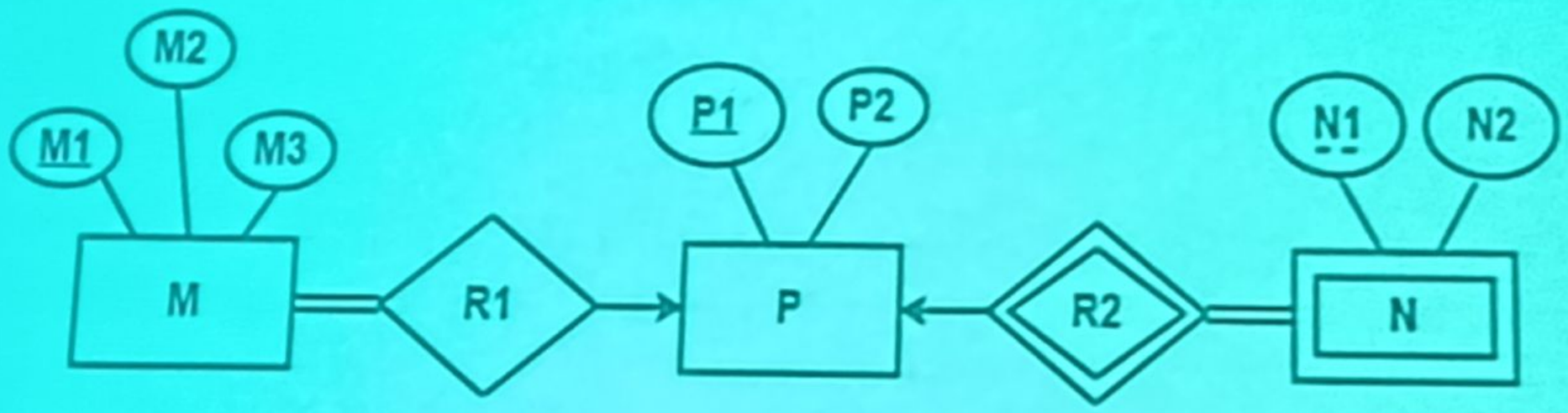
P1

Find the minimum number of tables required for the following ER diagram in relational model-



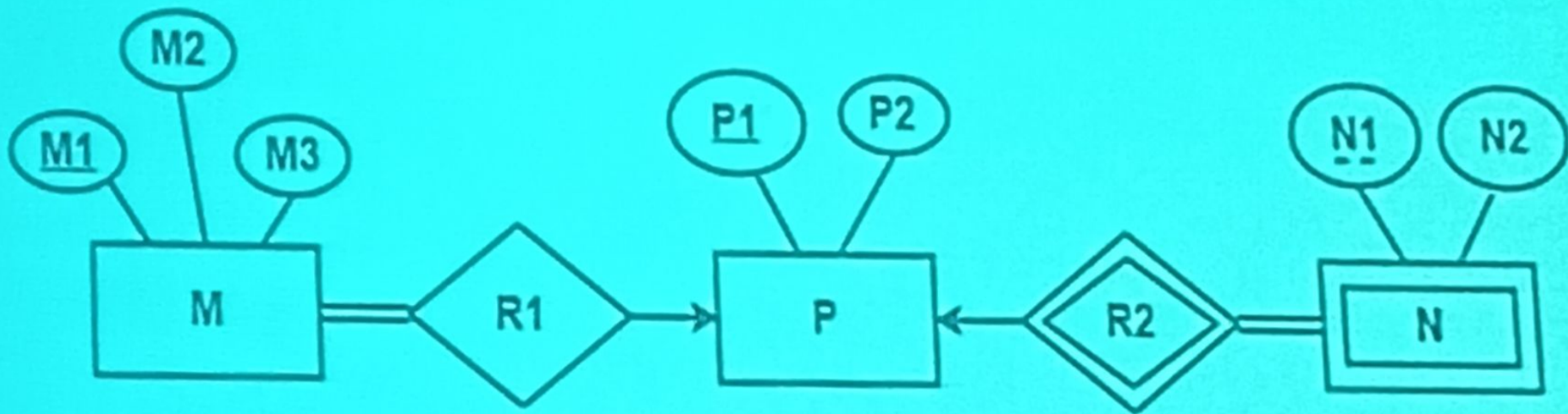
Solution-

Solution

$(A'+B')' = A'.B'$

P1

Find the minimum number of tables required for the following ER diagram in relational model-



Solut

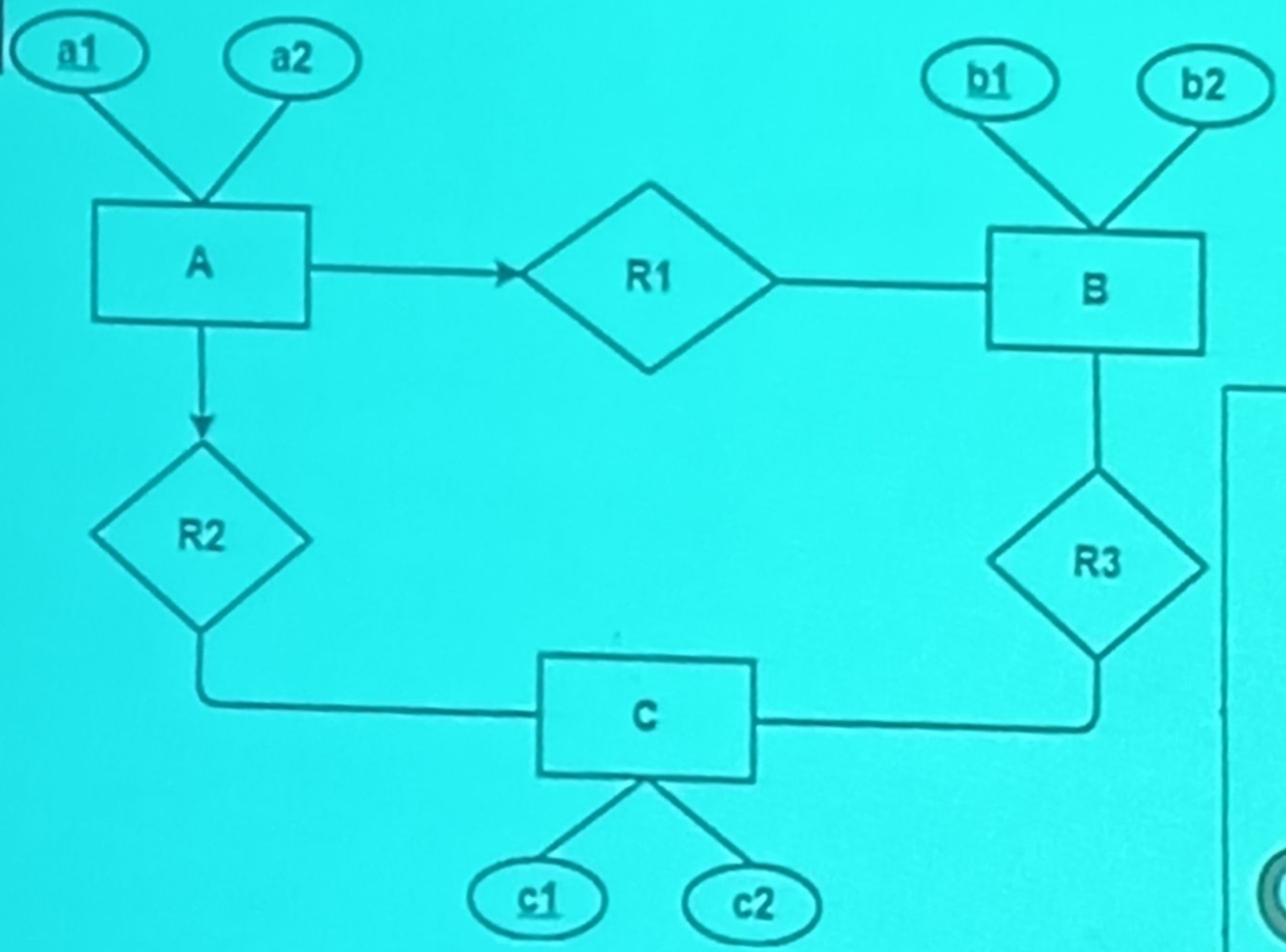
Solution-

Applying the rules, minimum 3 tables will be required-

- MR1 (M1 , M2 , M3 , P1)
- P (P1 , P2)
- NR2 (P1 , N1 , N2)

Find the minimum number of tables required to represent the given ER diagram in relational model-

P2

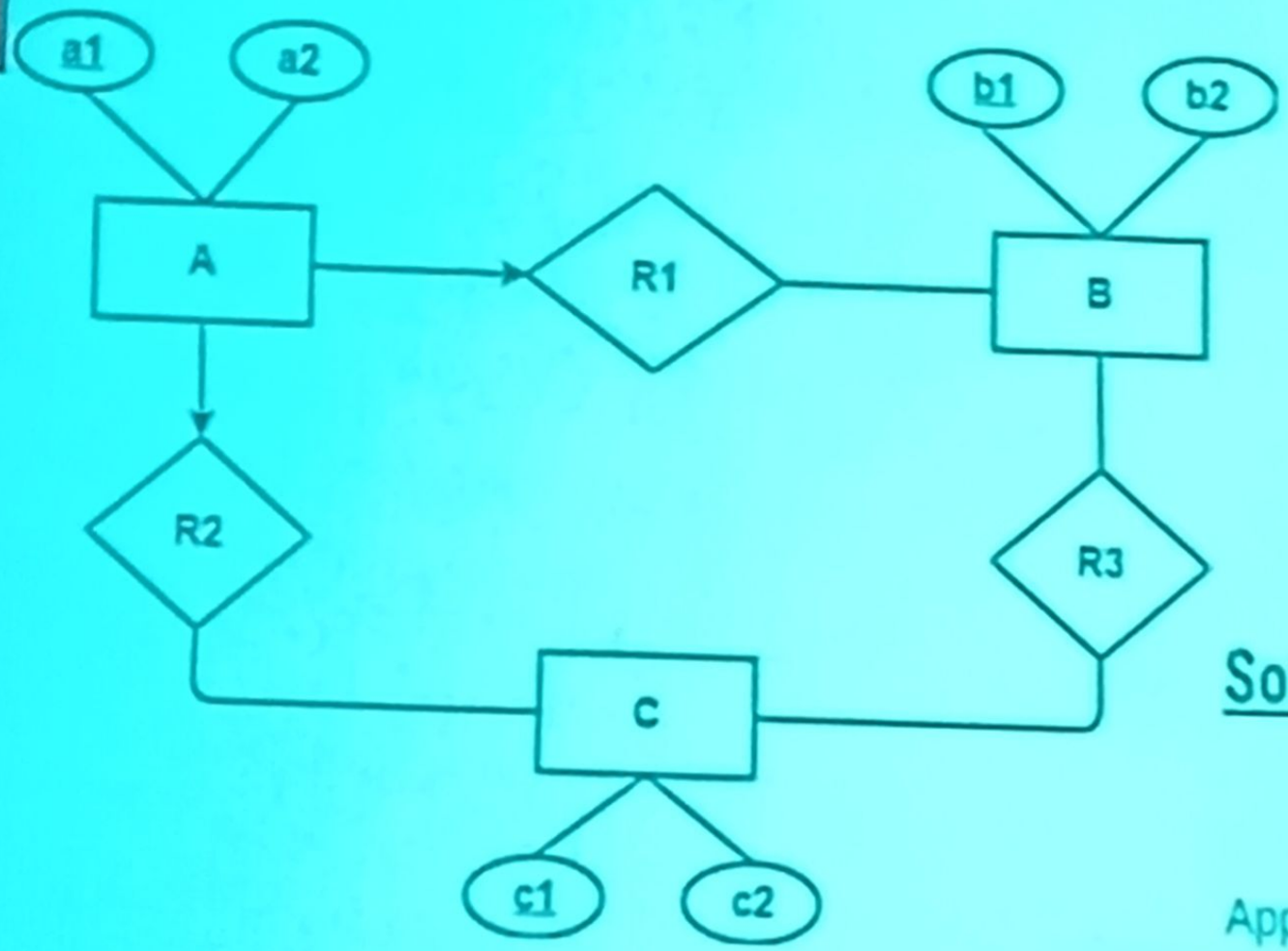


Solution

(a+b)' = a'.b'

Find the minimum number of tables required to represent the given ER diagram in relational model-

P2

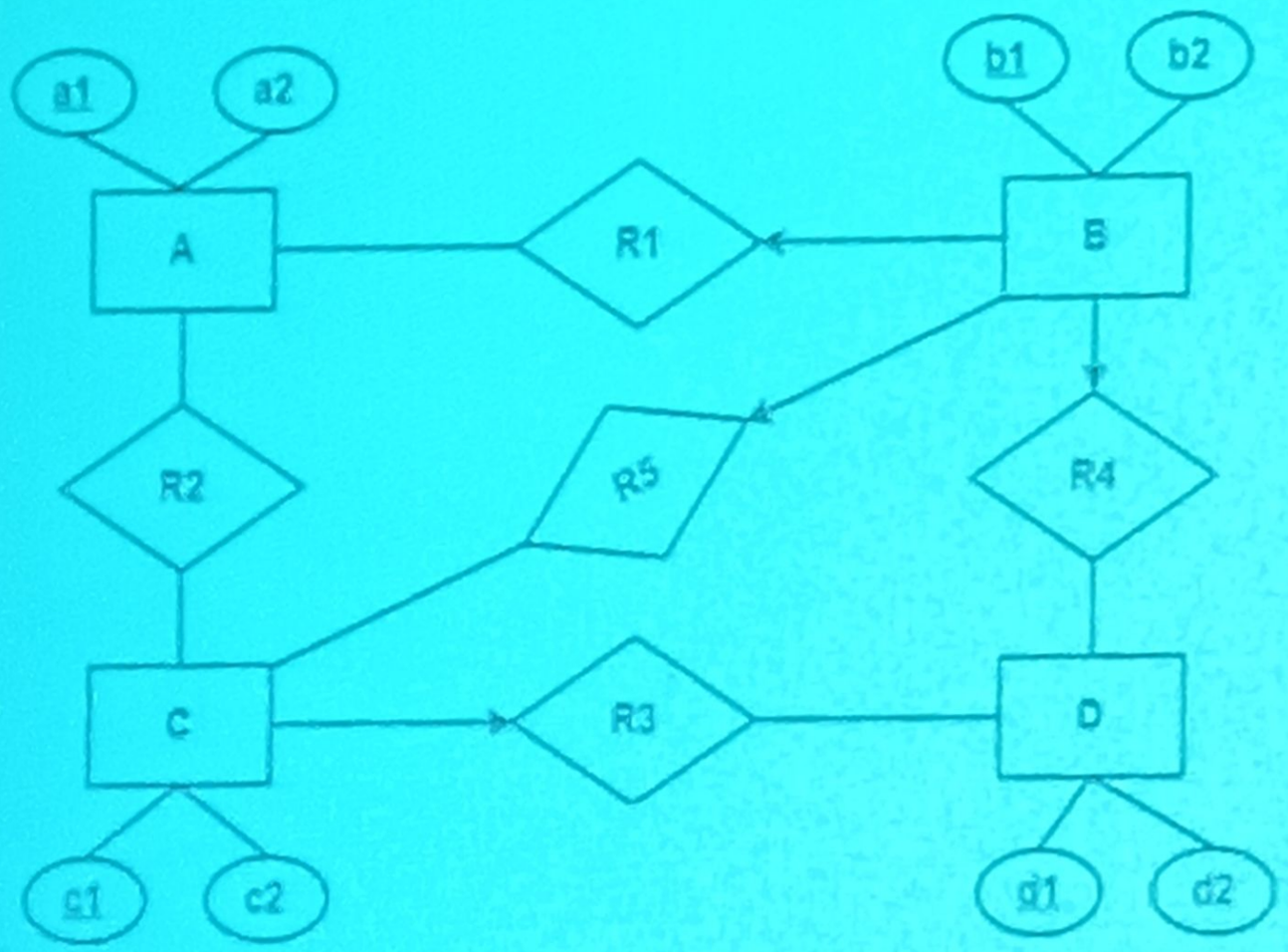


Solution-

Applying the rules, minimum 3 tables will be required-

- AR1(a1,a2,b1) & AR2(a1,a2,c1)
  AR1R2(a1,a2,b1,c1) (1)
- B (b1 , b2) (2)
- CR3(c1,c2,b1) (3)
- BR3(b1,b2,c1)
  C(c1,c2)

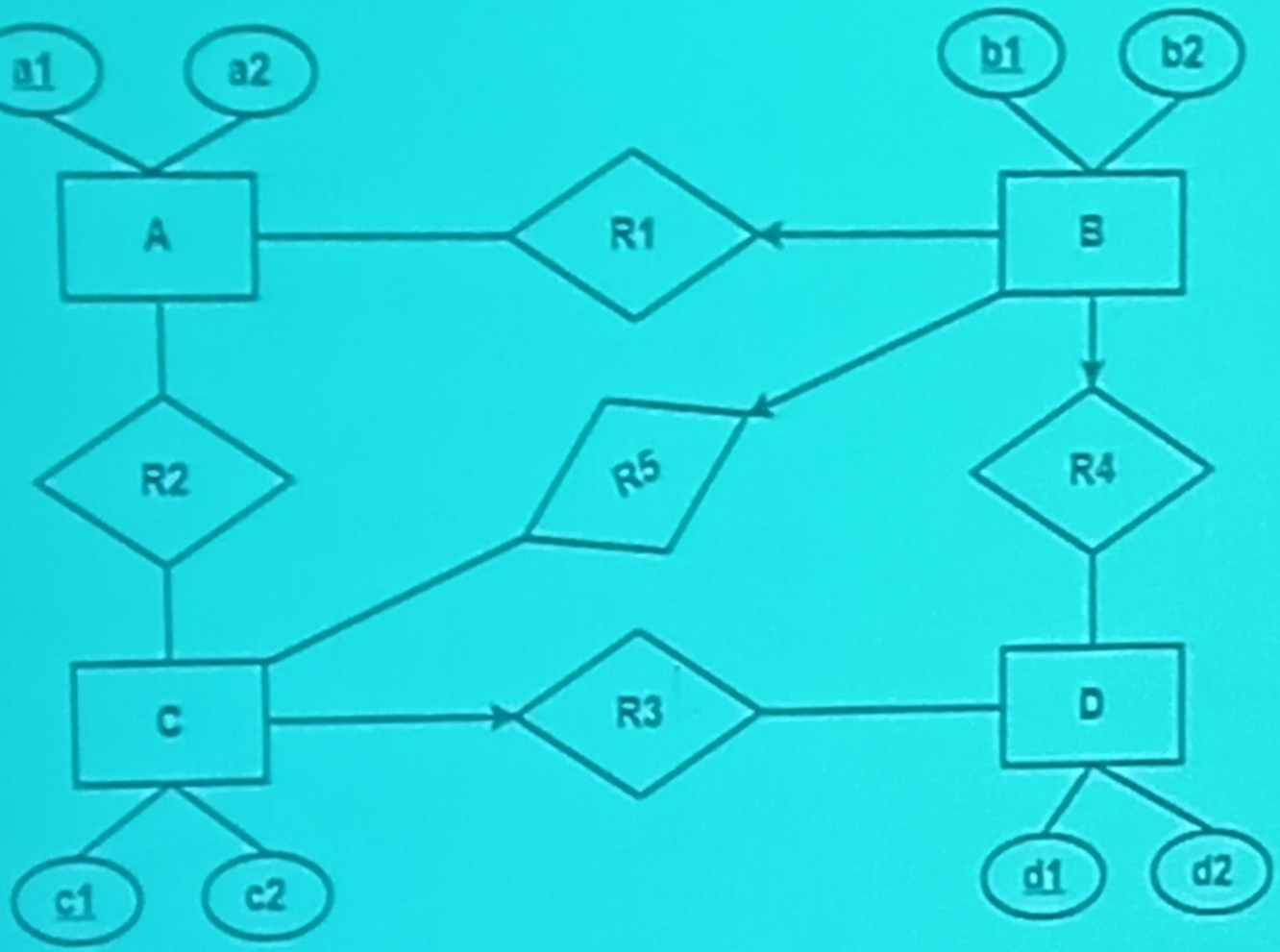
Find the minimum number of tables required to represent the given ER diagram in relational model



Solution

P3

nd the minimum number of tables required to represent the given ER diagram in relational model-



Solution

By Applying the rules minimum 4 tables are required

BR1(b1,b2,a1), BR5(b1, b2,c1), BR4(b1,b2,d1) → BR1R4R5(b1,b2,a1,c1,d1)

A(a1,a2) , C(c1,c2), D(d1,d2)

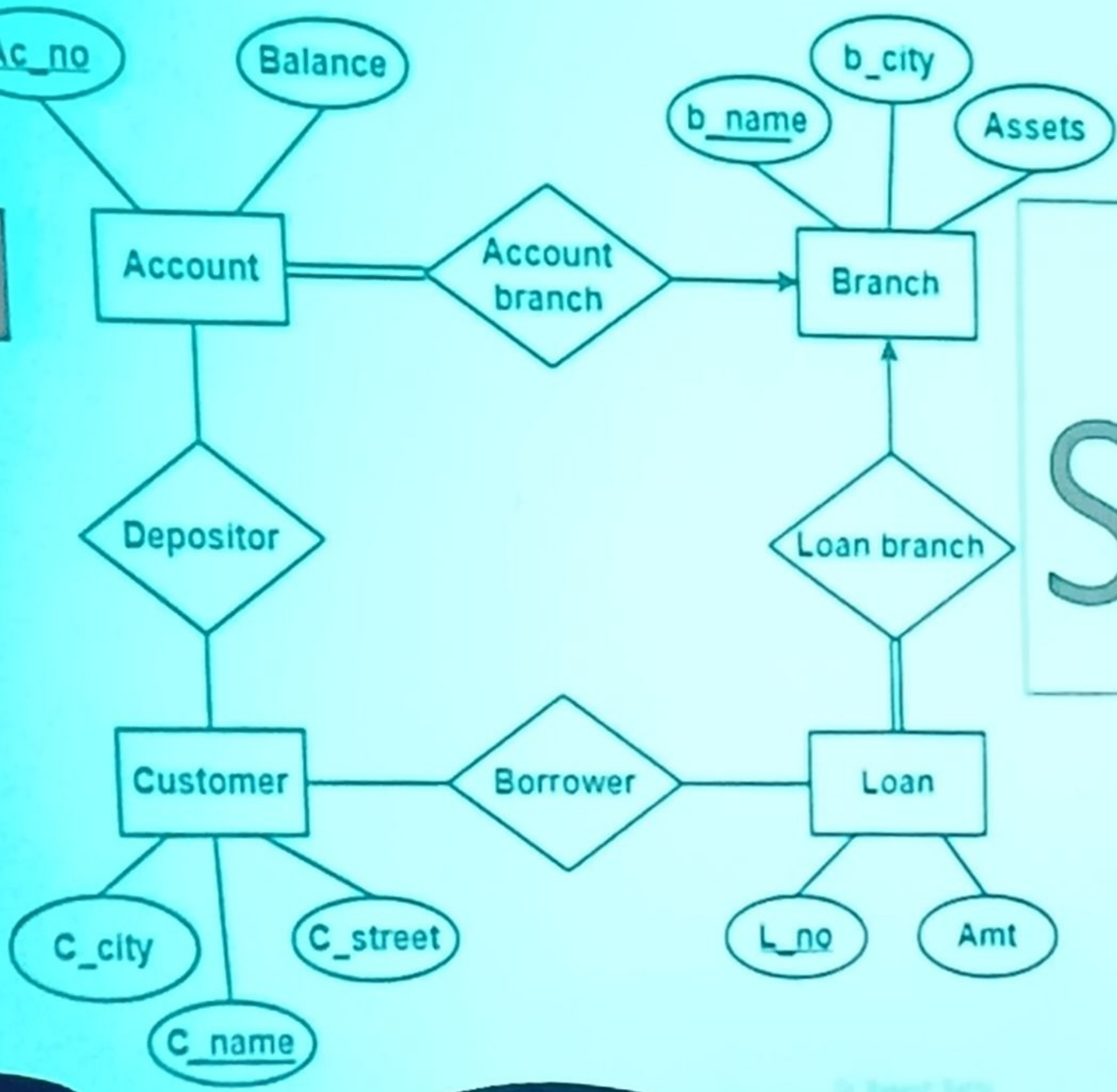
AR2(a1,a2,c1) , C(c1,c2)

DR3(d1,d2,c1) , C(c1,c2)

P3

nd the minimum number of tables required to represent the given ER diagram in relational model.

P4



Solution-

Solution