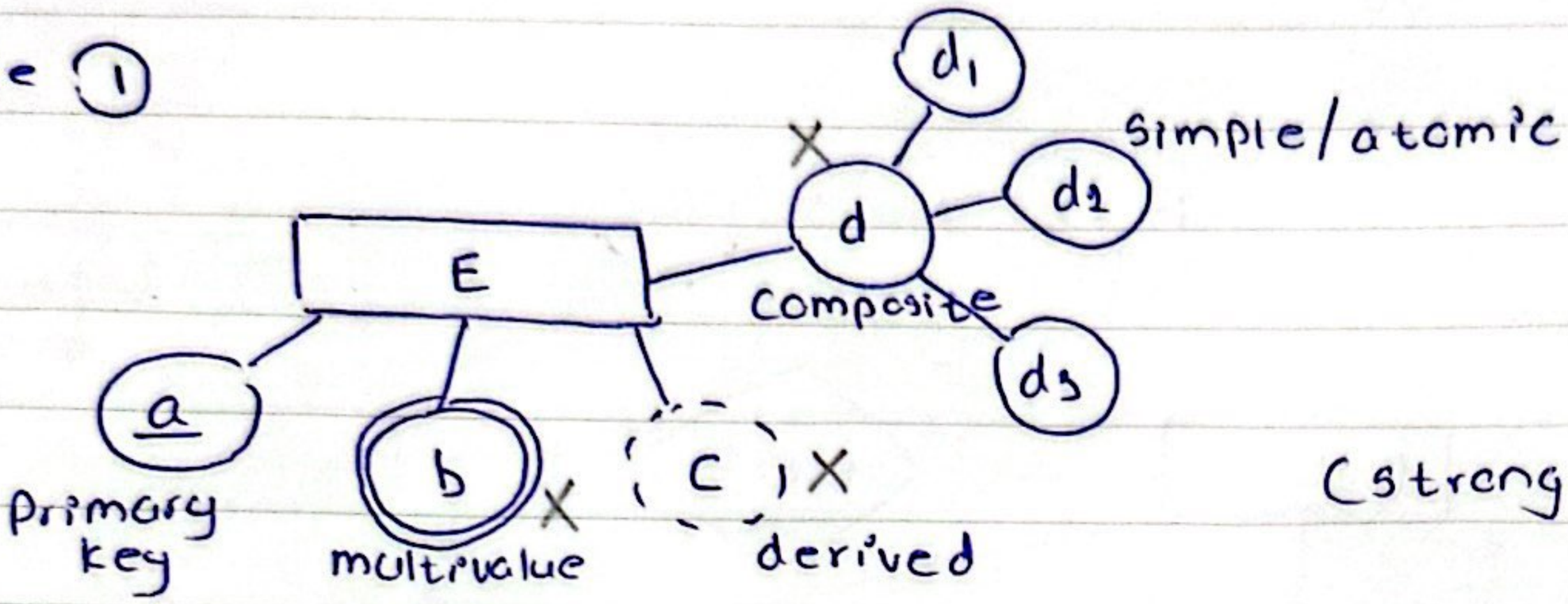
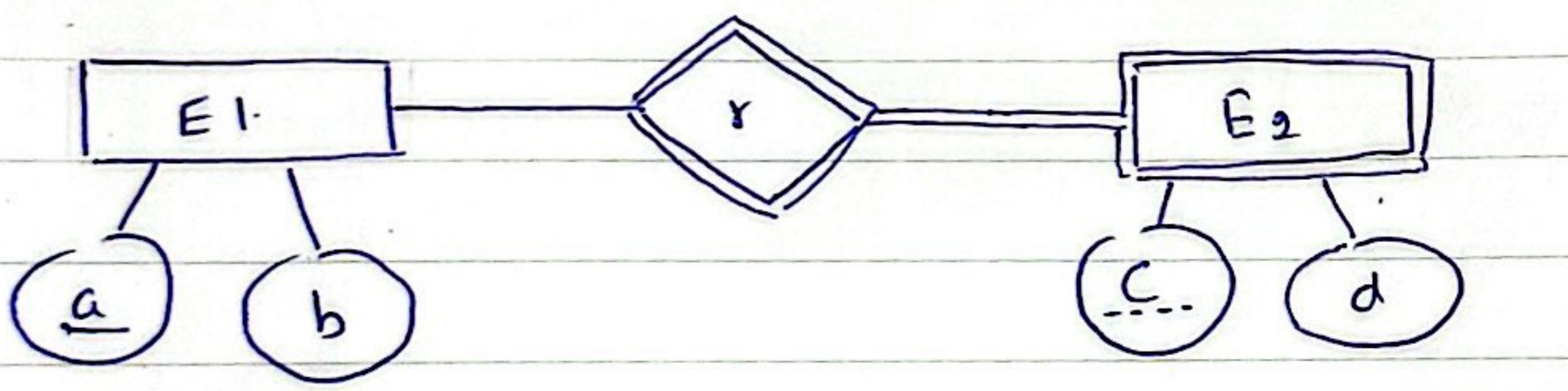
# Relational schema

Rule (1)




| E | | | |
|---|---|---|---|
| a | $d_1$ | $d_2$ | $d_3$ |

Rule (2)

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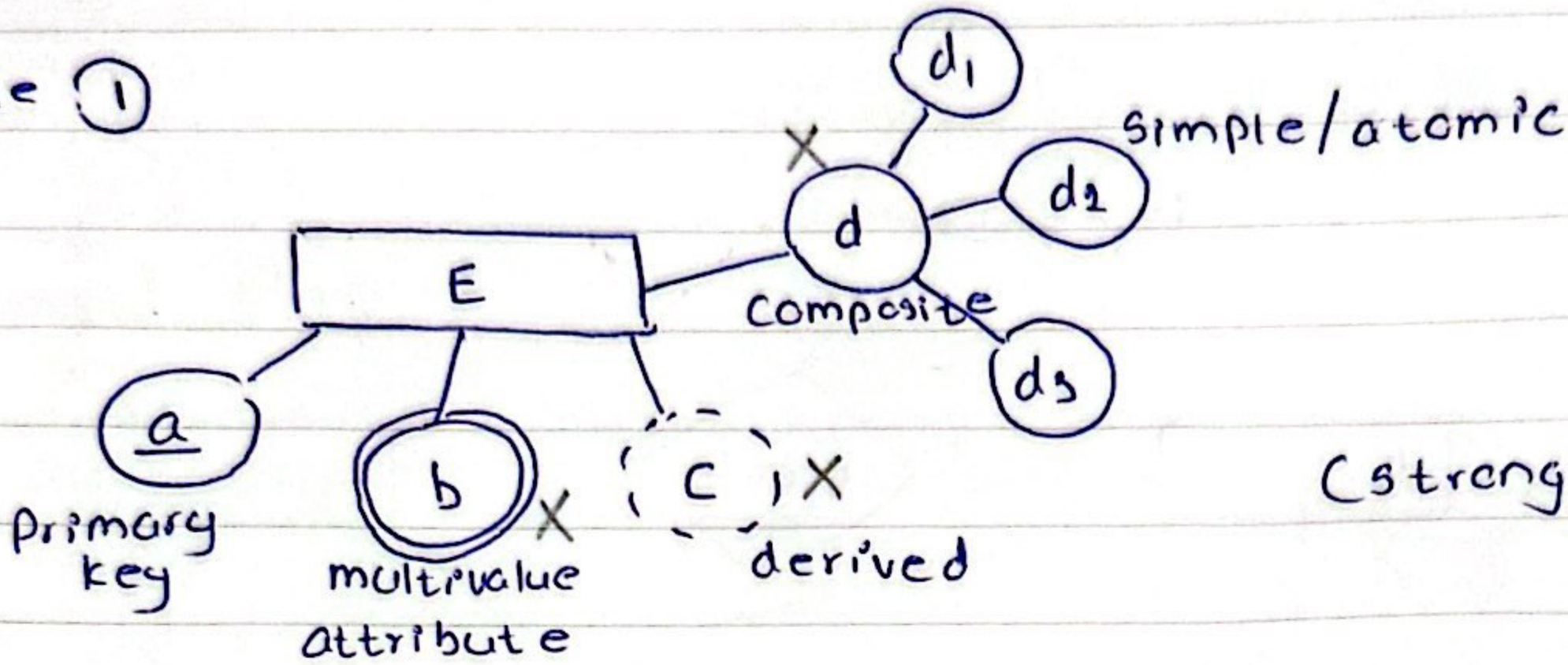
ProMate

# Relational schema

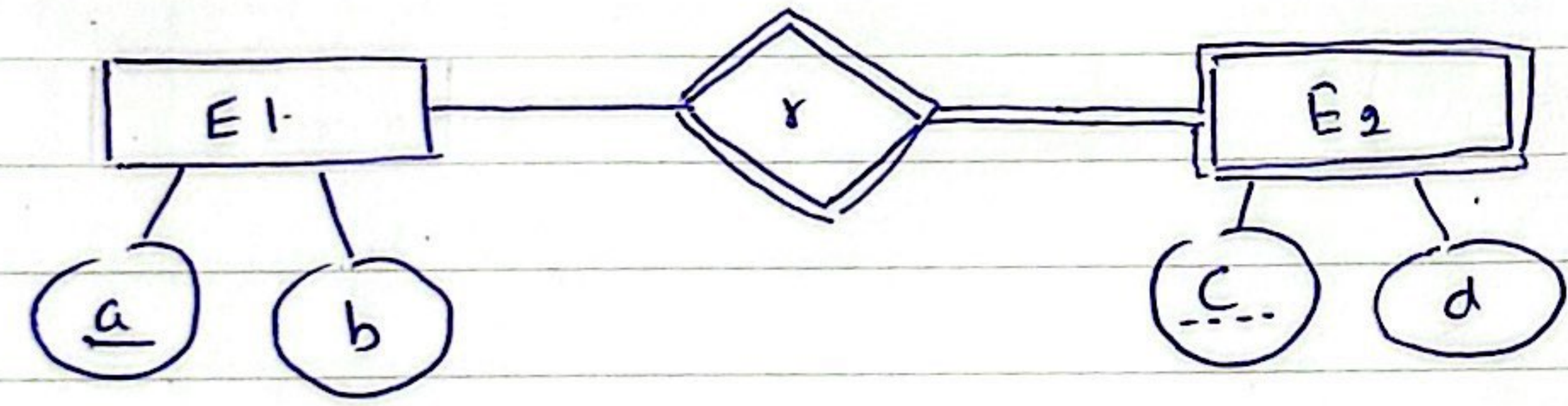
Rule (1)

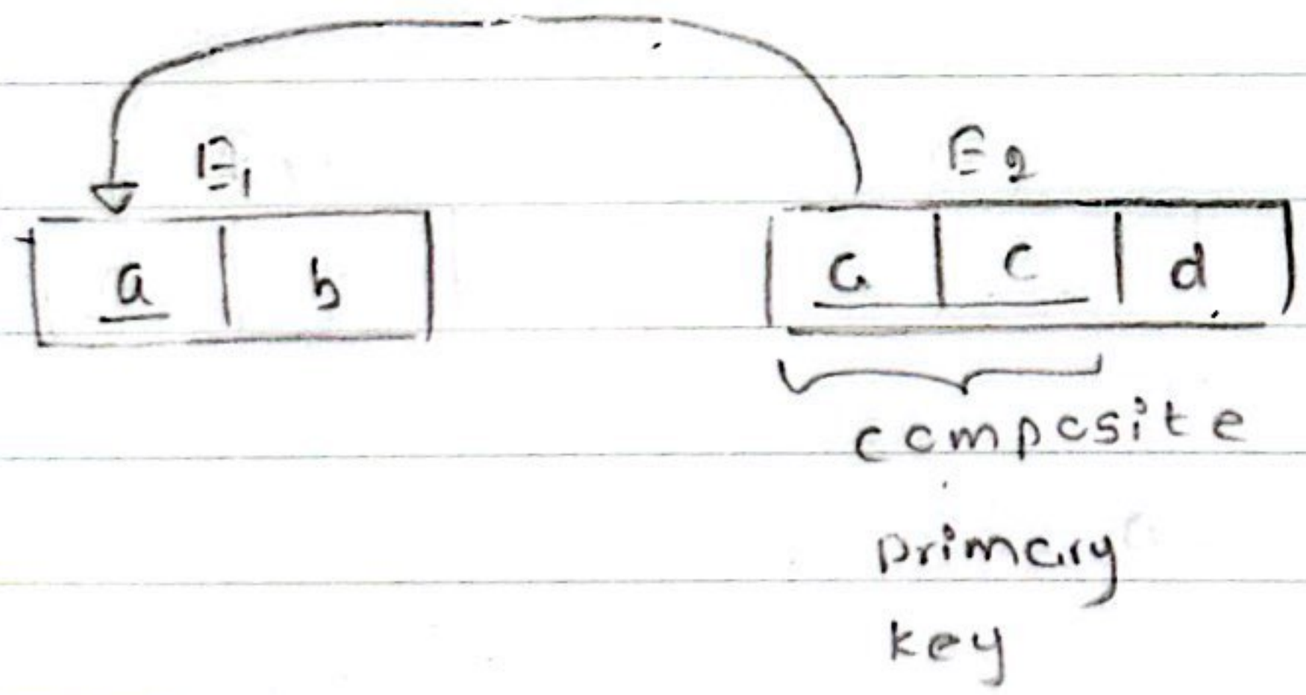



E

| a | d1 | d2 | d3 |
|---|---|---|---|

Rule (2)




Date
No.

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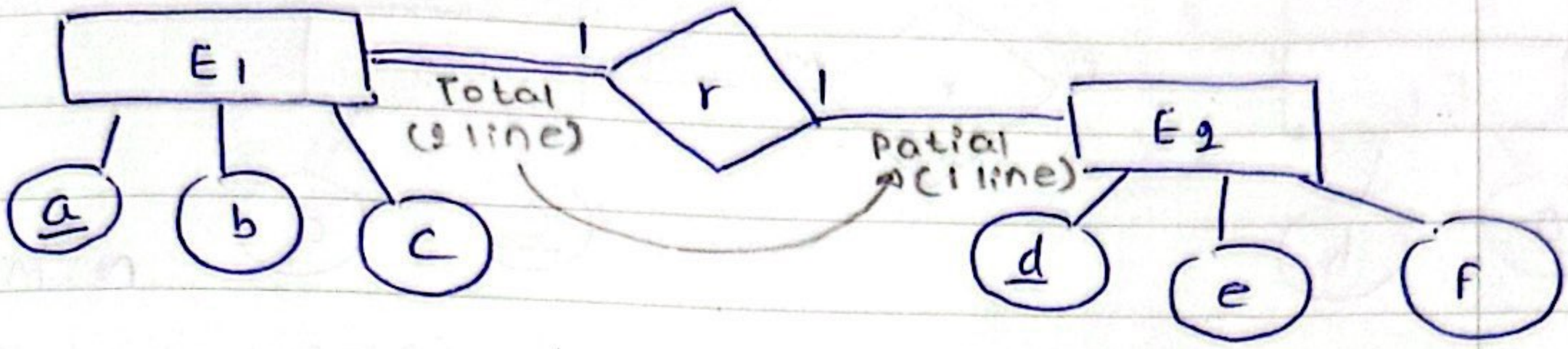
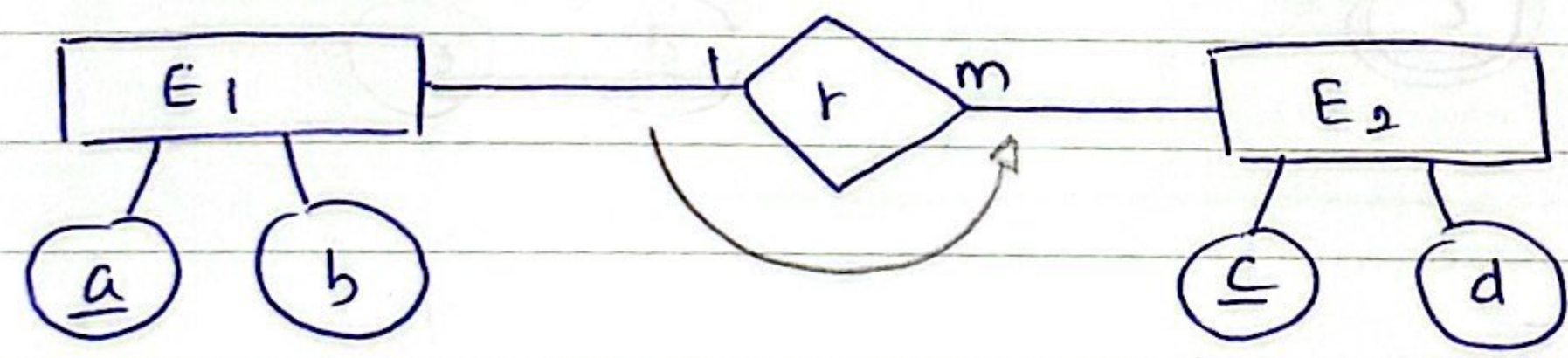
Rule (3)



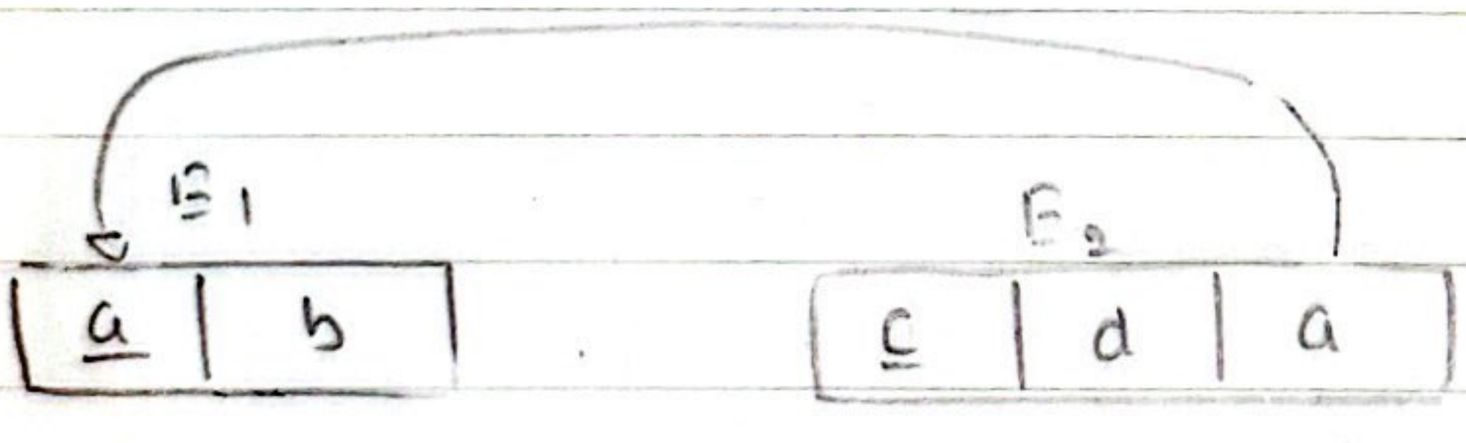

1:1
(Binary relationship)

both are total or patial no issue

Rule (4)




1:M
(Binary relationship)




Date No

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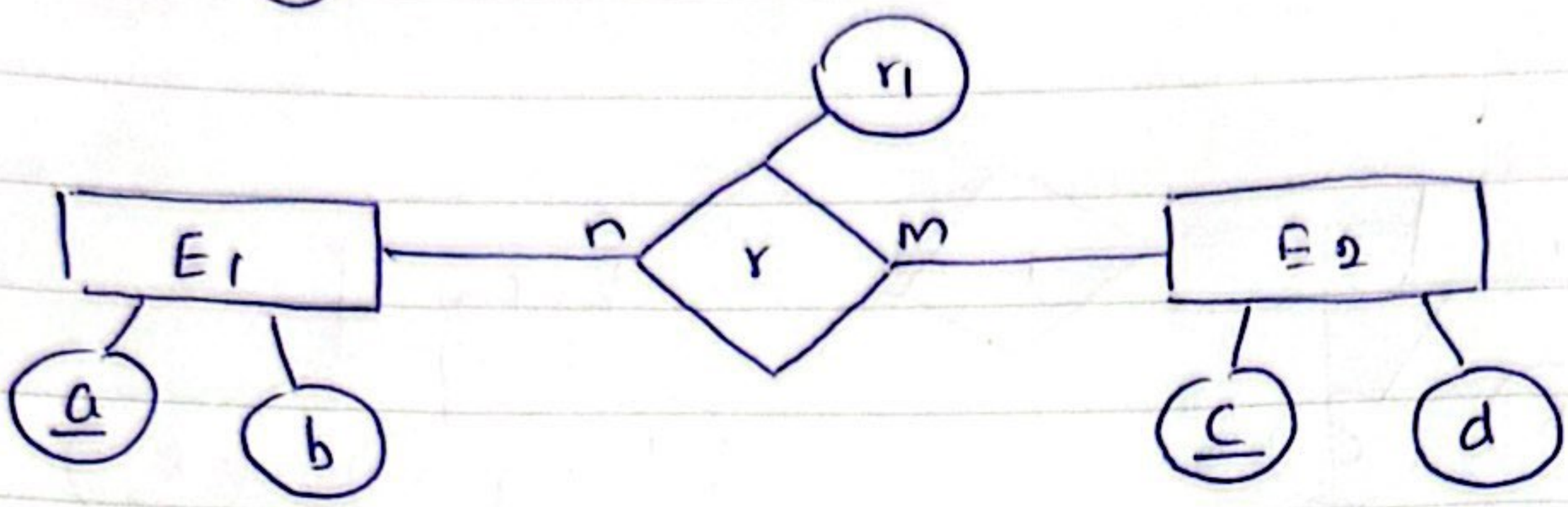
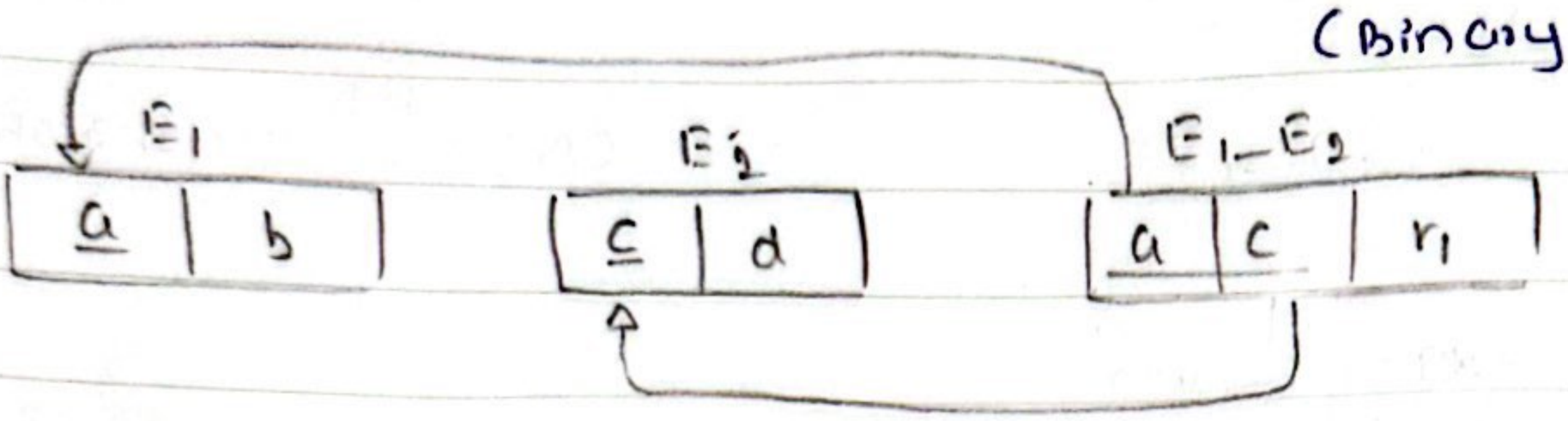
Rule (5)

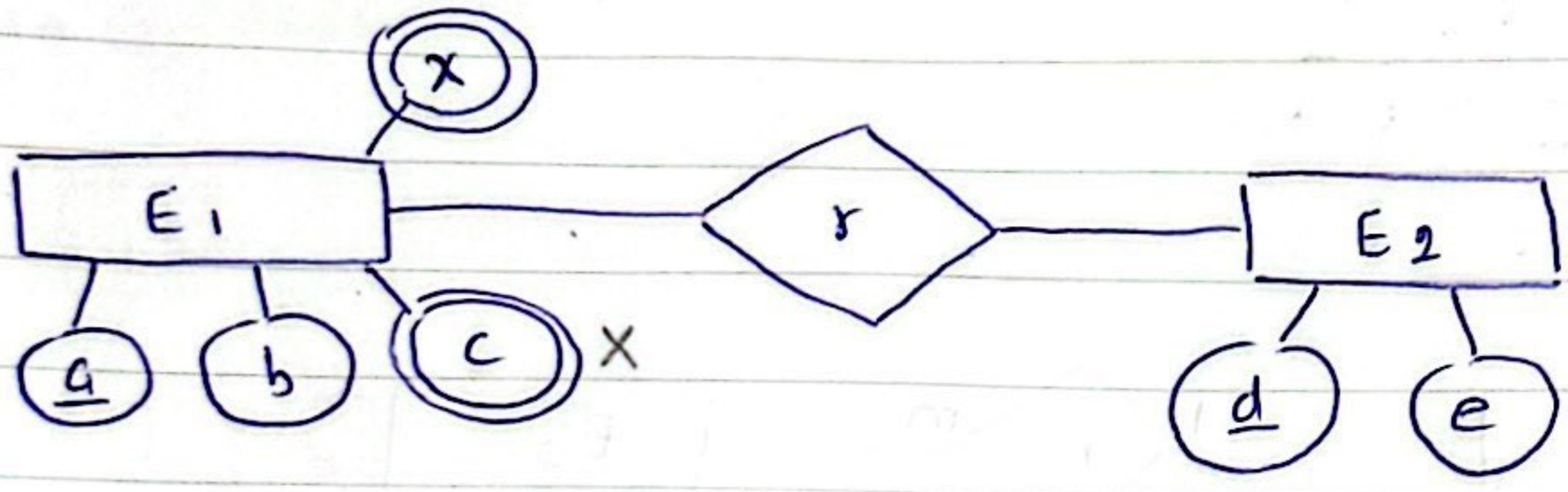


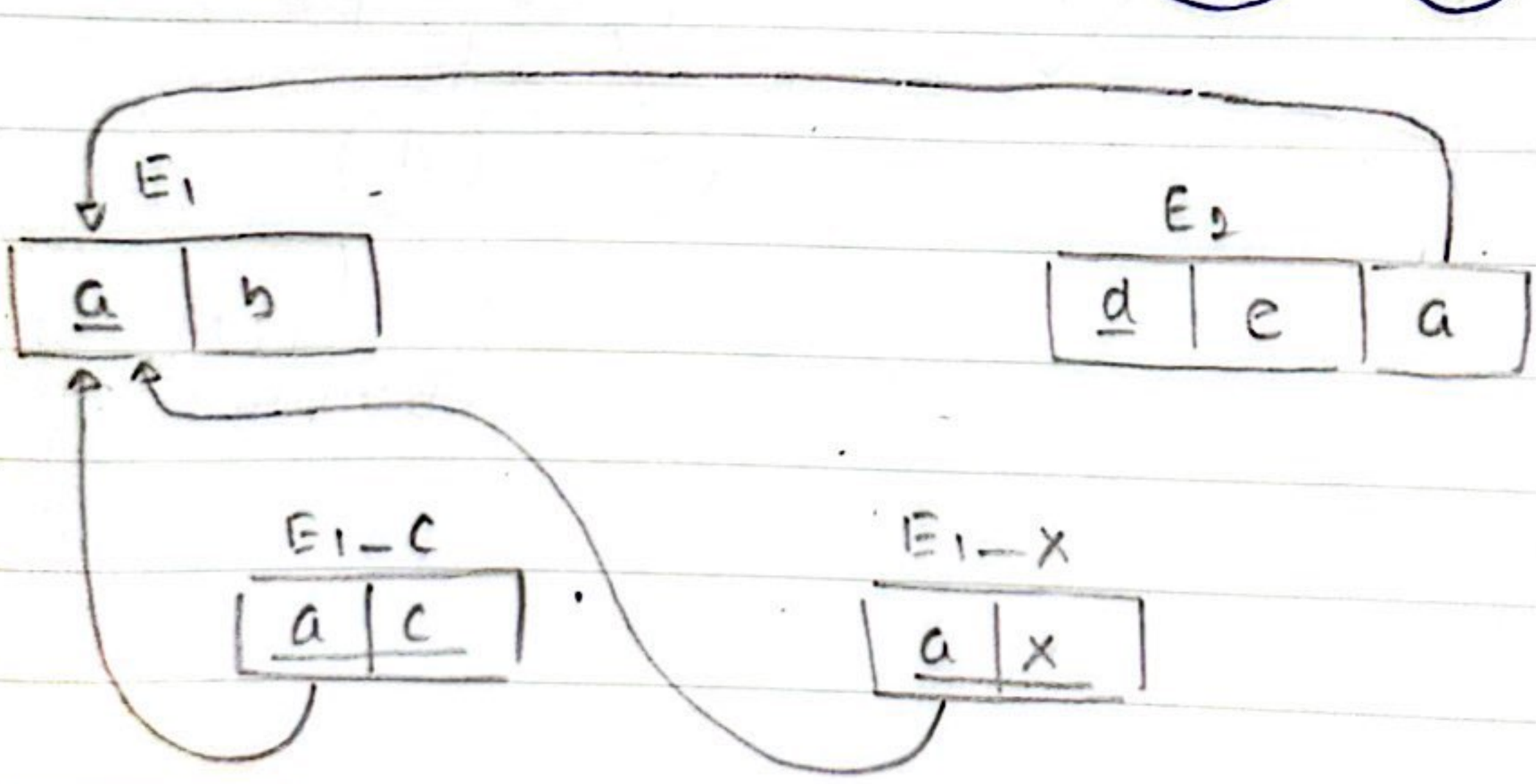

N : M

(Binary relationship)




Rule (6)

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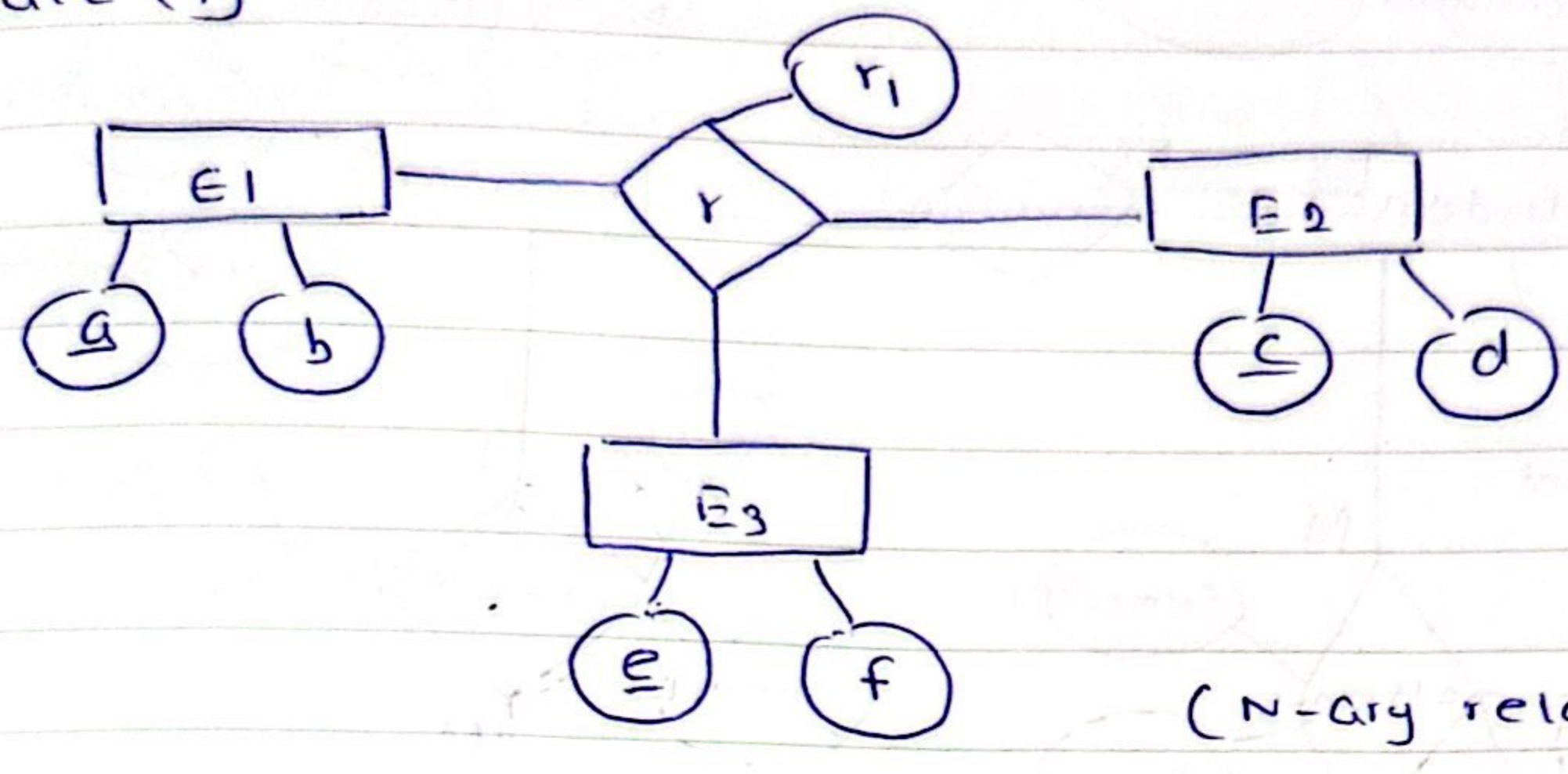
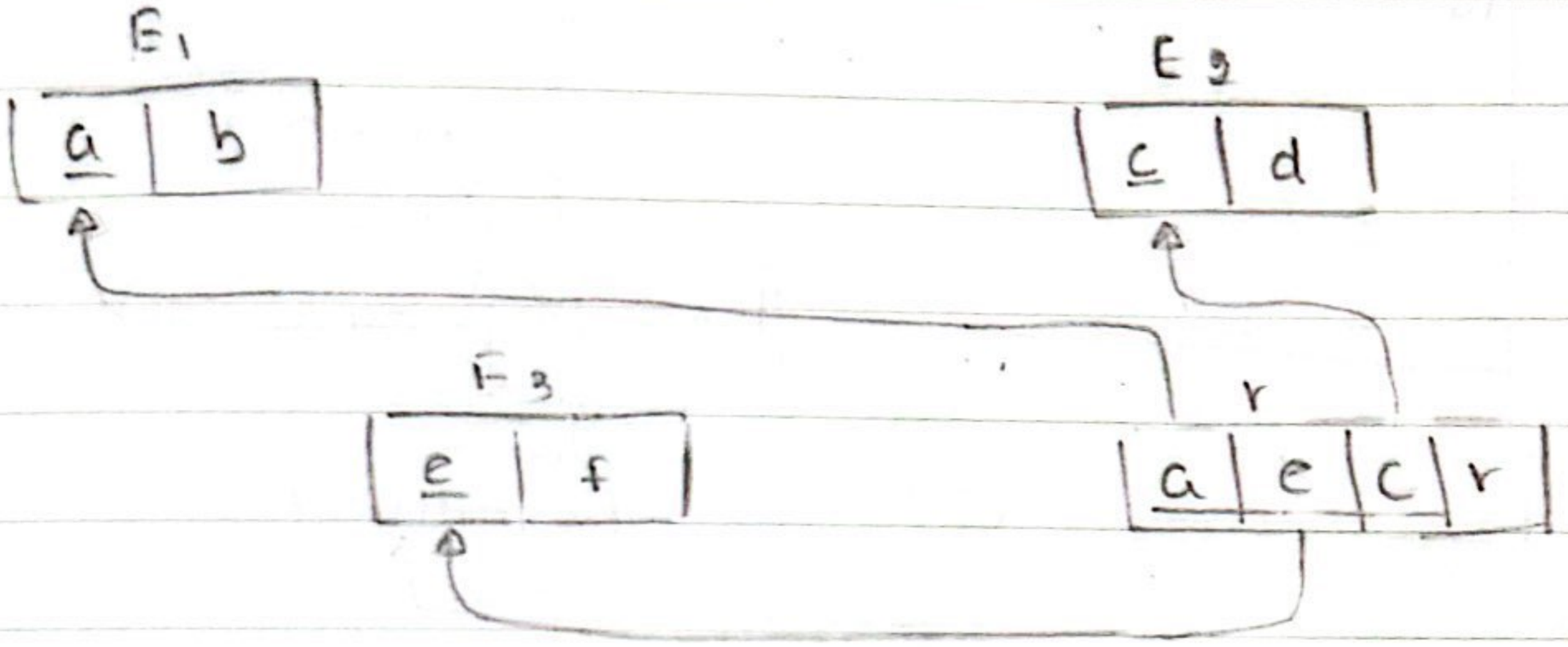
Rule (7)




(N-ary relationship)



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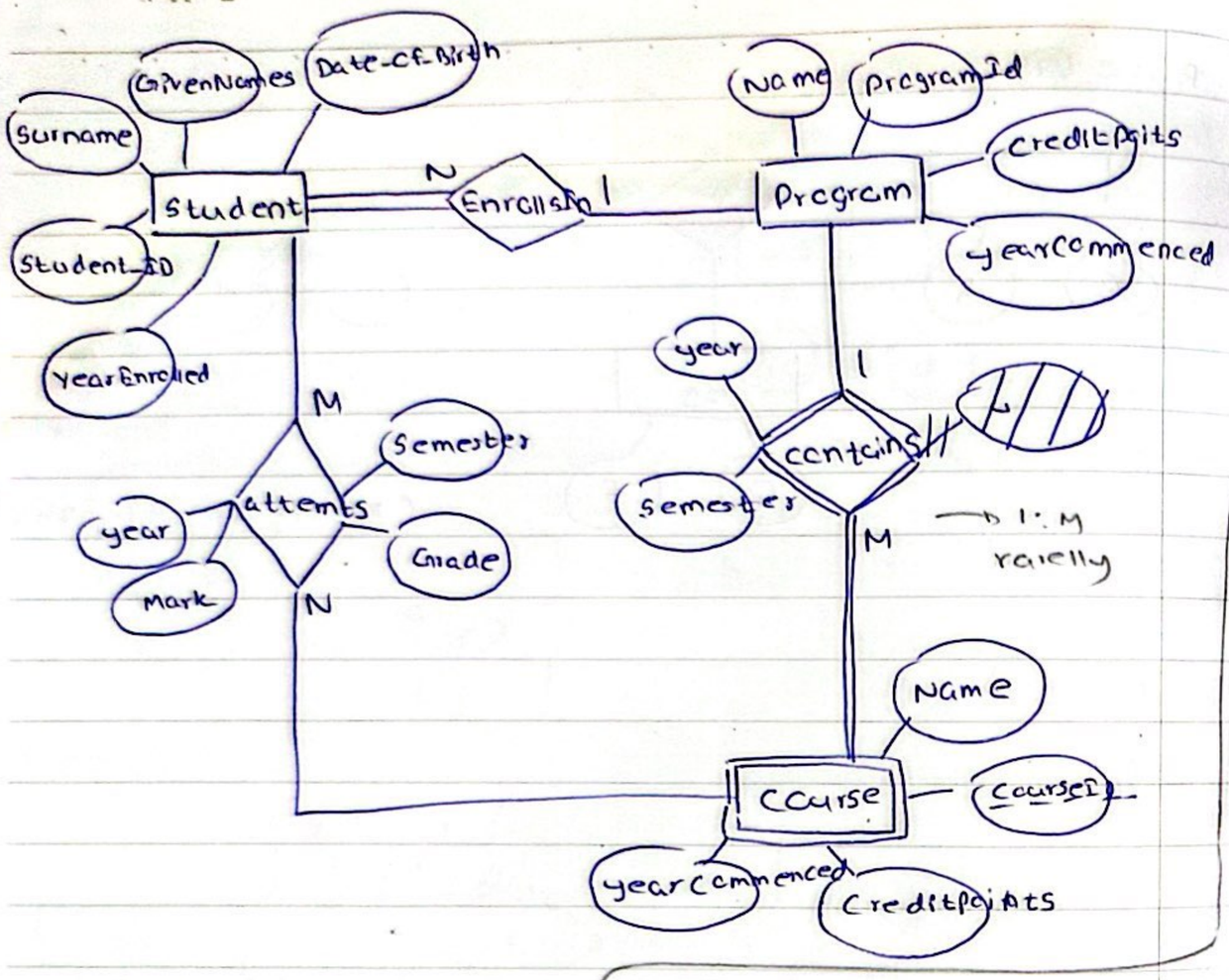


Student

| GivenName | Surname | student-ID | Date_of_Birth | Year Enrolled | P.ID |
|---|---|---|---|---|---|

Program

| ProgramID | Name | CreditPoints | YearCommenced | Student_ID |
|---|---|---|---|---|

Course

| course_ID | ~~Student_ID~~ | ProgramID | Name | Credit points |
|---|---|---|---|---|

Student_Course

| Student_ID | course_ID | Year_commenced | Semester | Mark | Grade |
|---|---|---|---|---|---|

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