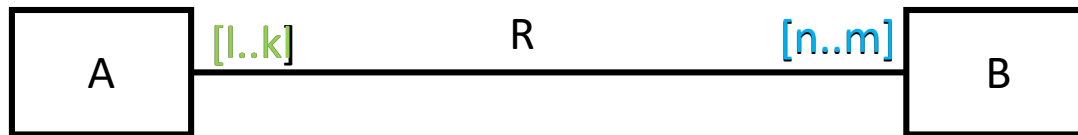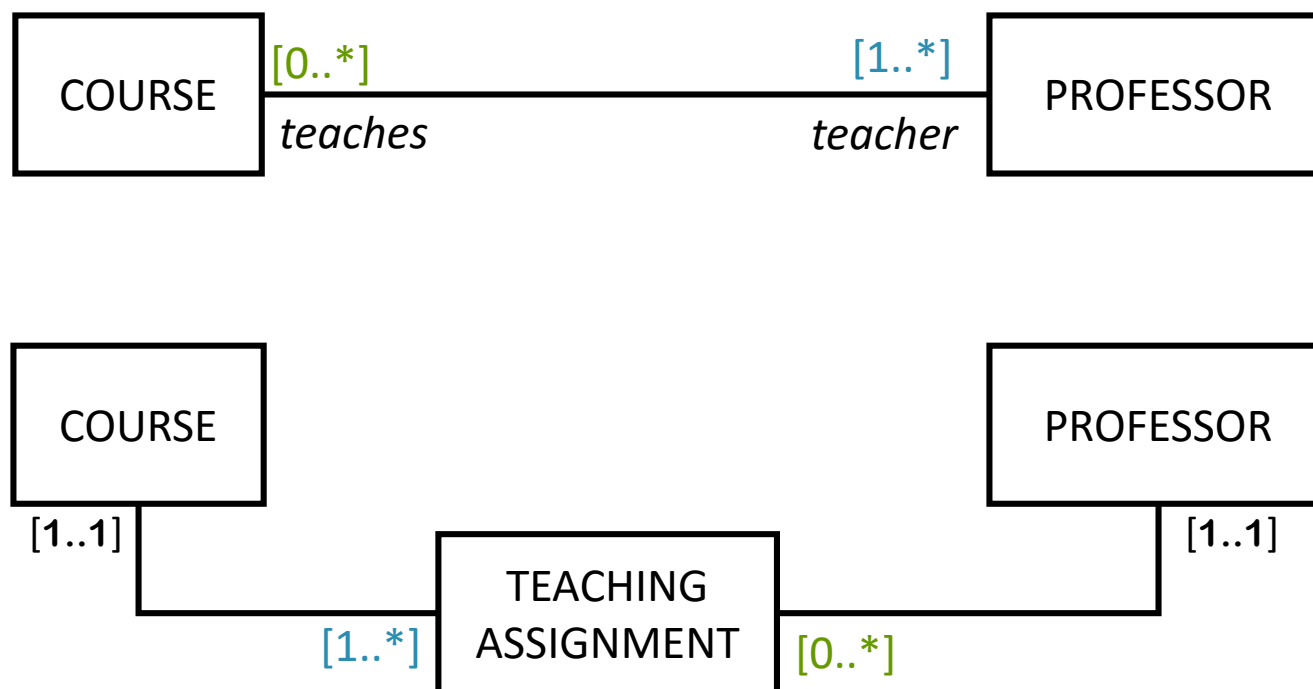# Association Reification

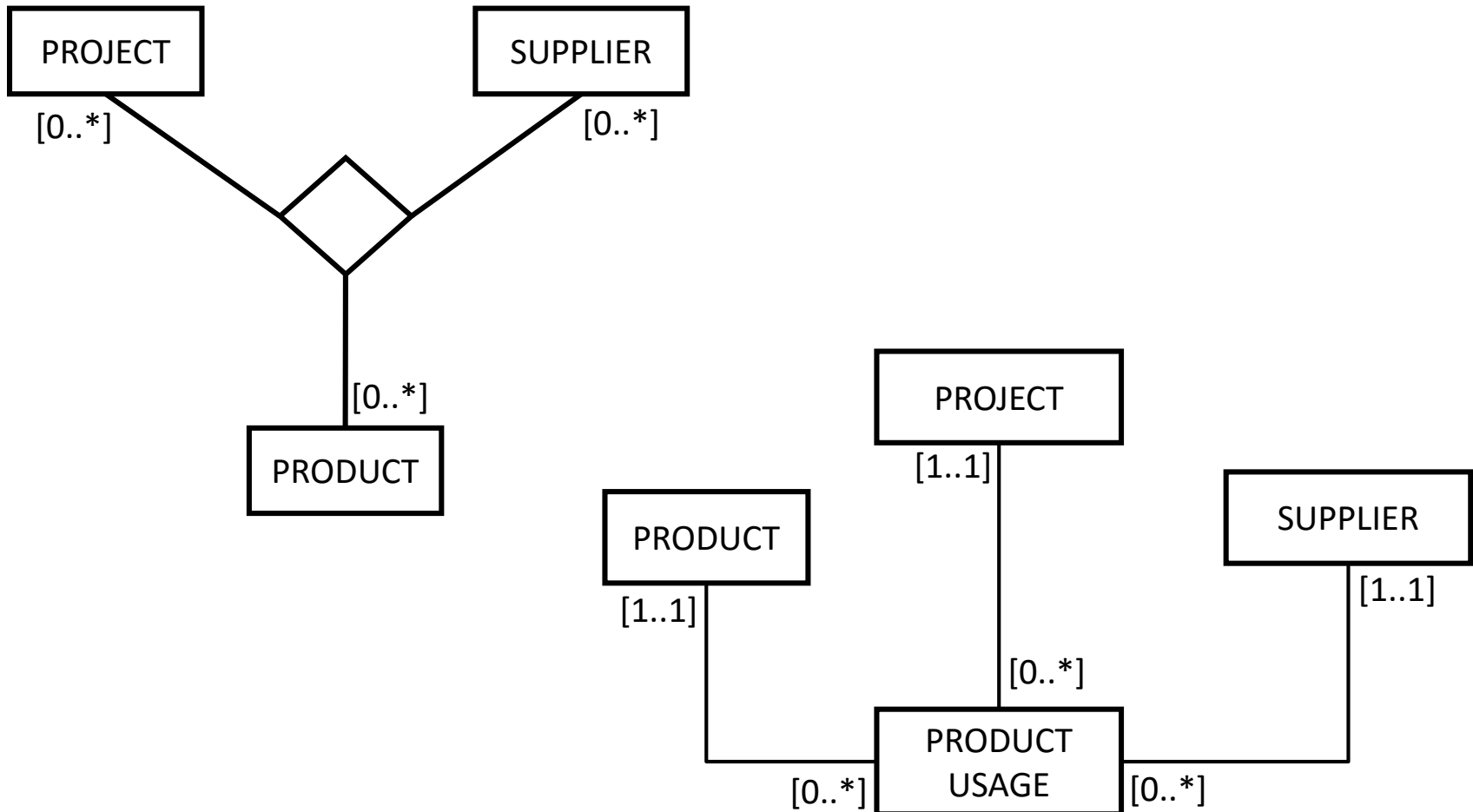## CONCEPTUAL DATA MODELLING

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Association Reification

- is done systematically in database design for
  - N-ary associations (N > 2)
  - many-to-many associations

Association Reification

COURSE [0..*] *teaches* — *teacher* [1..*] PROFESSOR

COURSE [1..1] [1..*] TEACHING ASSIGNMENT [0..*] [1..1] PROFESSOR

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Association Reification

PROJECT

SUPPLIER

[0..*]

[0..*]

[0..*]

PRODUCT

PROJECT

[1..1]

PRODUCT

SUPPLIER

[1..1]

[1..1]

[0..*]

PRODUCT
USAGE

[0..*]

[0..*]

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Association Reification

ORGANISATIONAL UNIT

has department
[0..*]

is_part_of
[0..1]

ORGANISATIONAL UNIT

subdepartment
[1..1]

[1..1]

head department

as sub-department [0..1]

as head department [0..*]

ASSIGNMENT