

Basi di dati

Modello ER

Figure ed esempi

Uno schema E-R, graficamente



Rappresentazione grafica di entità

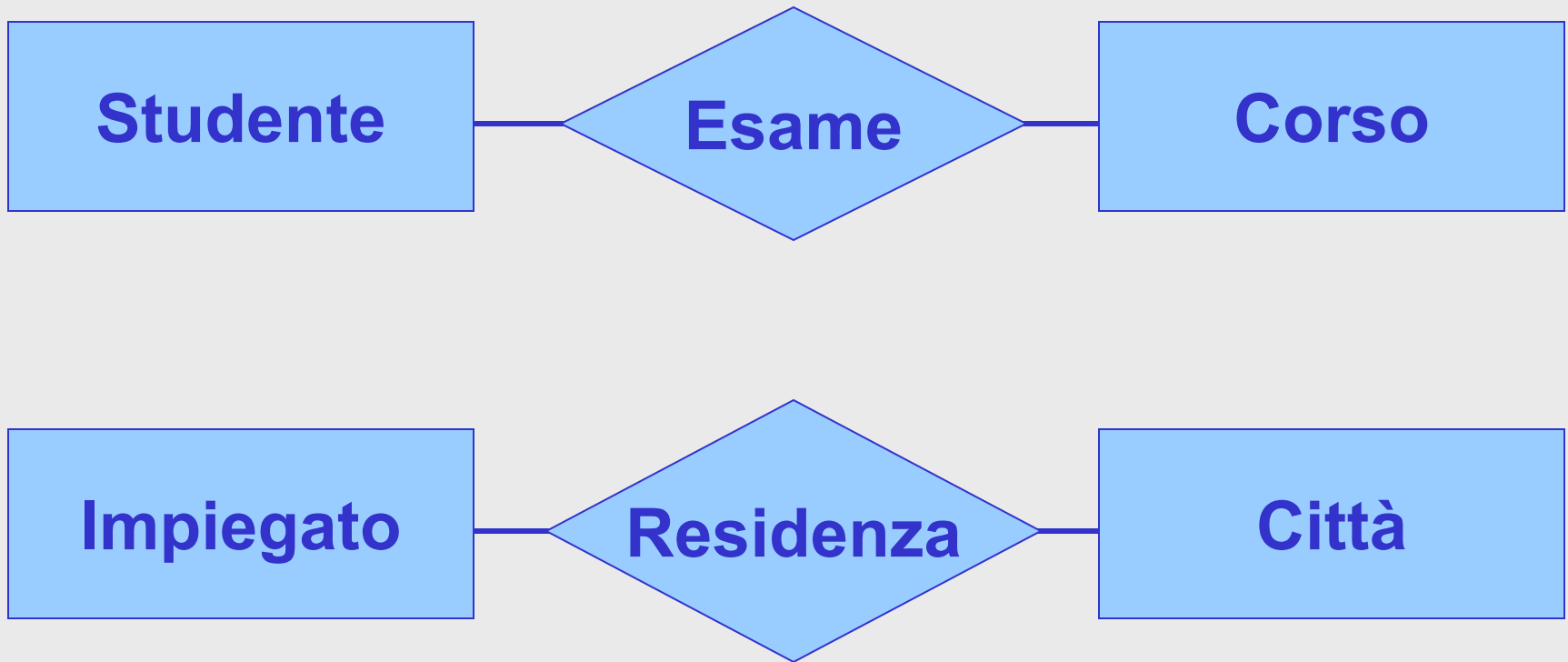
Impiegato

Dipartimento

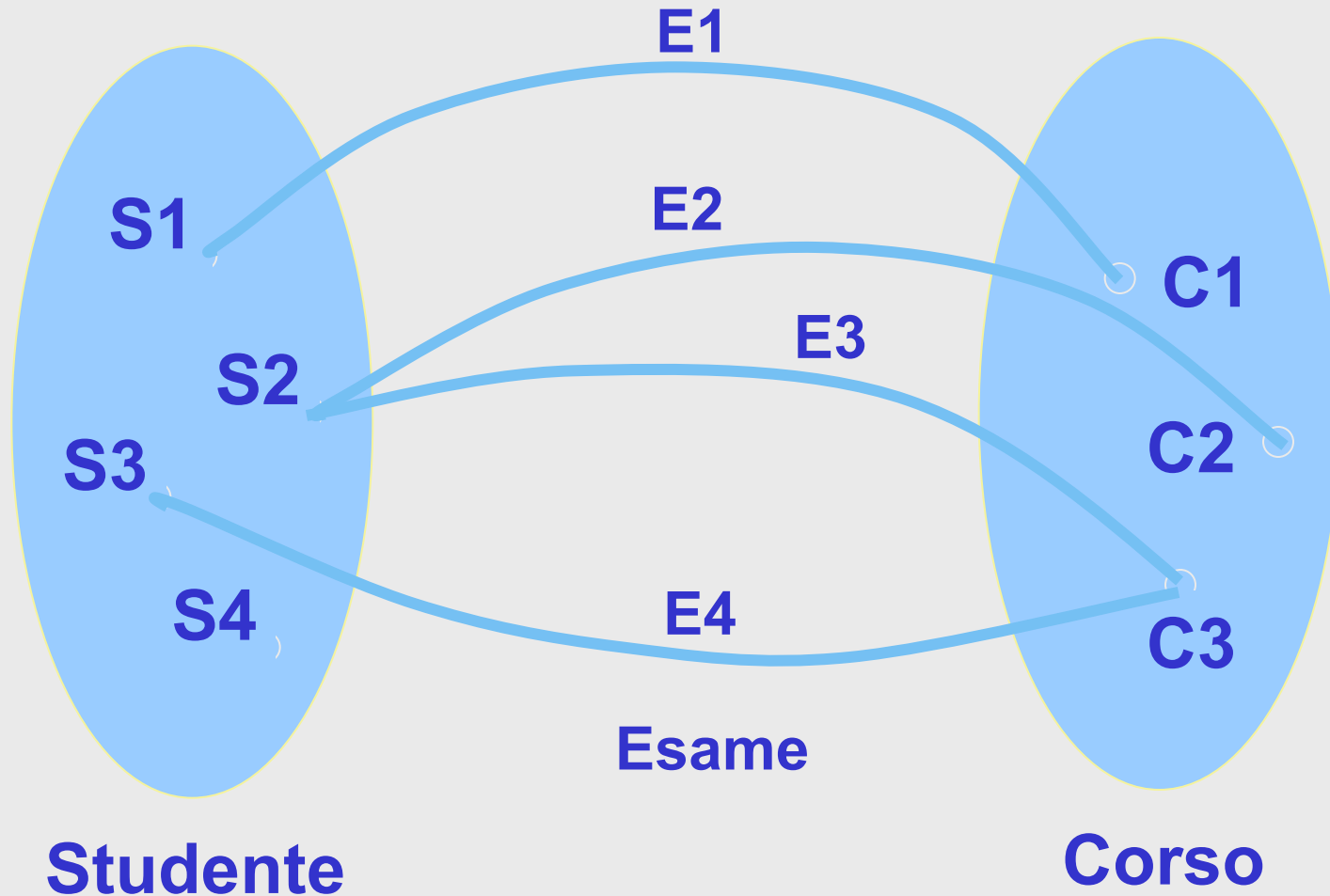
Città

Vendita

Rappresentazione grafica di relationship



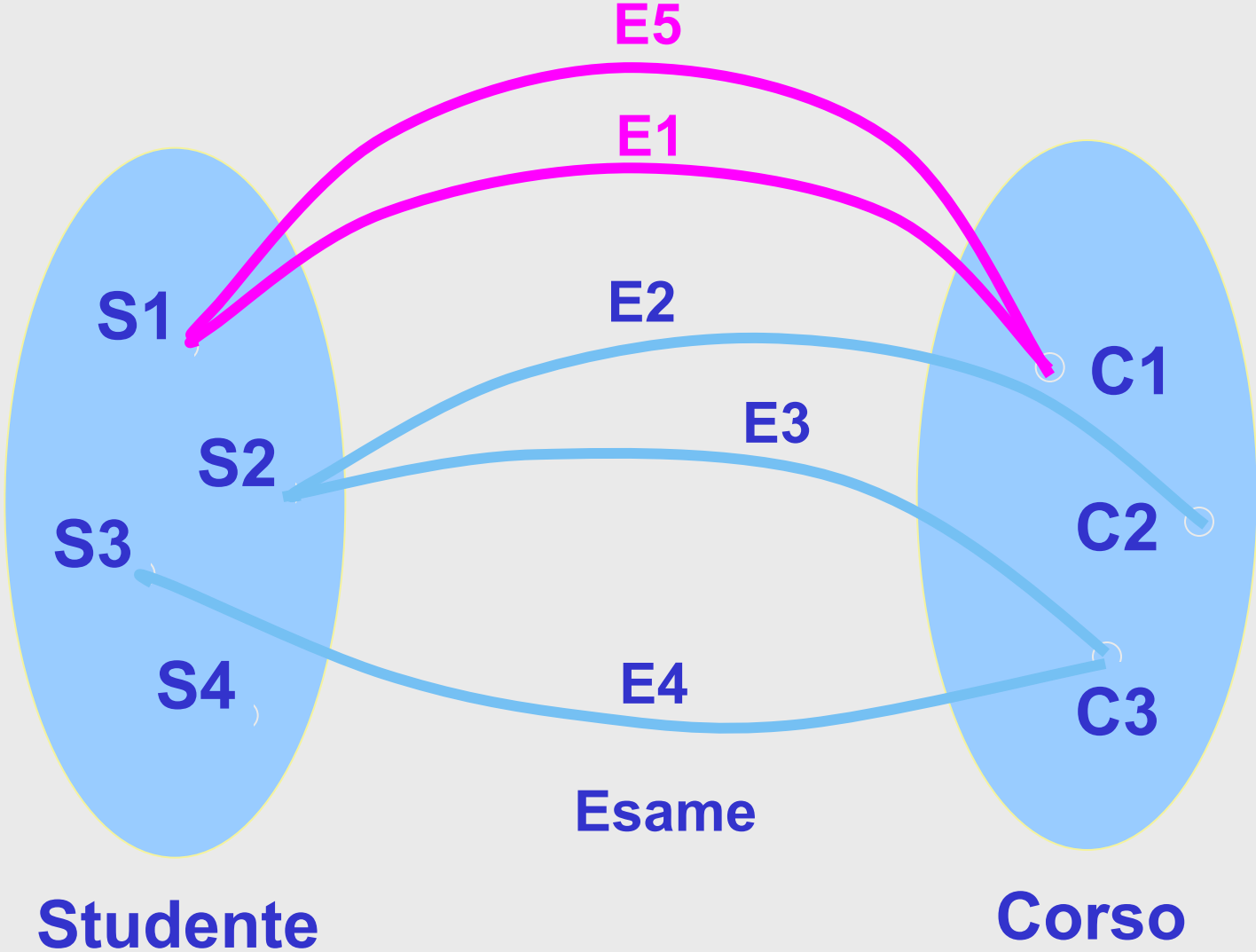
Esempi di occorrenze



Relationship corrette?



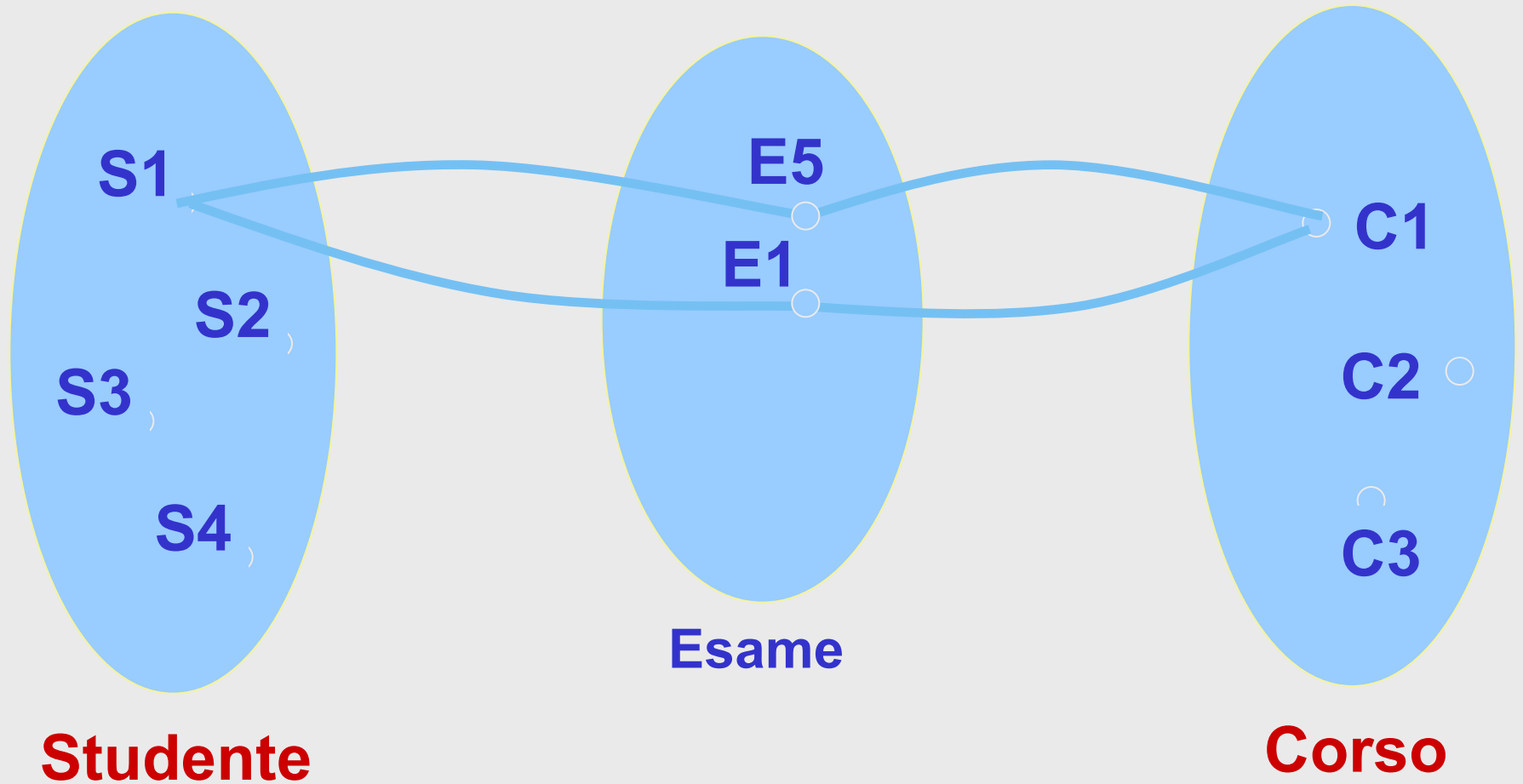
Attenzione



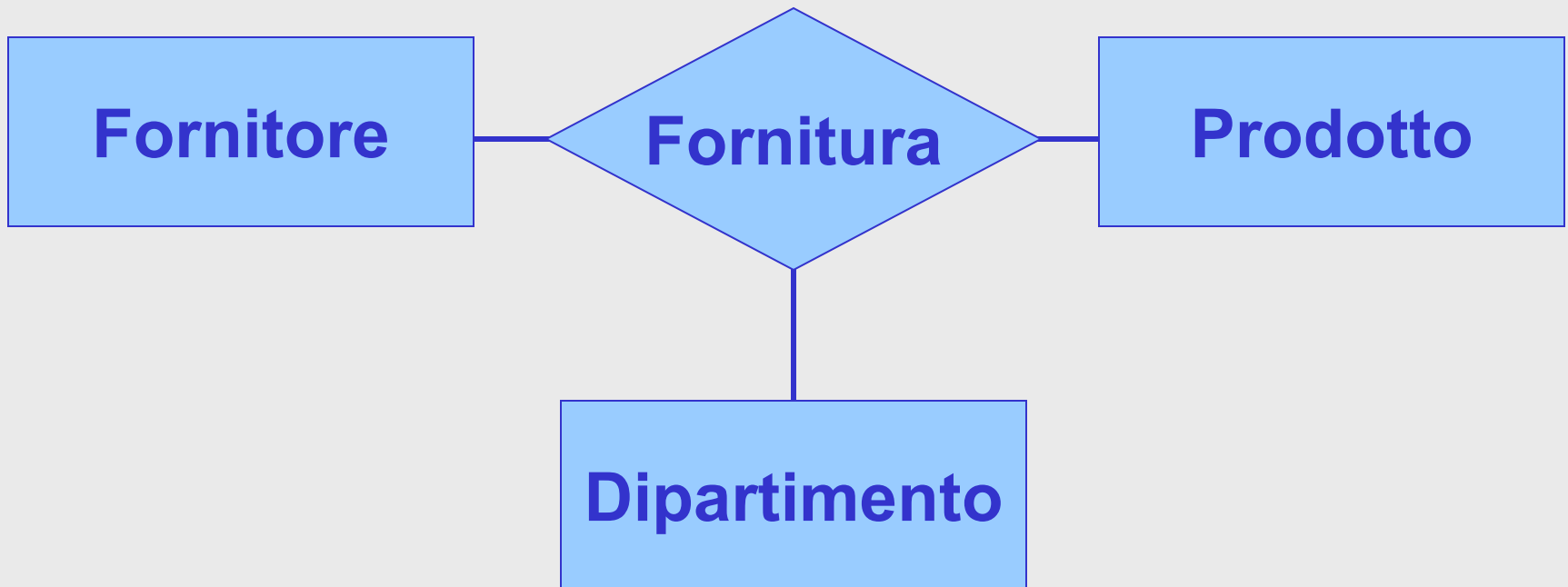
"Promuoviamo" la relationship



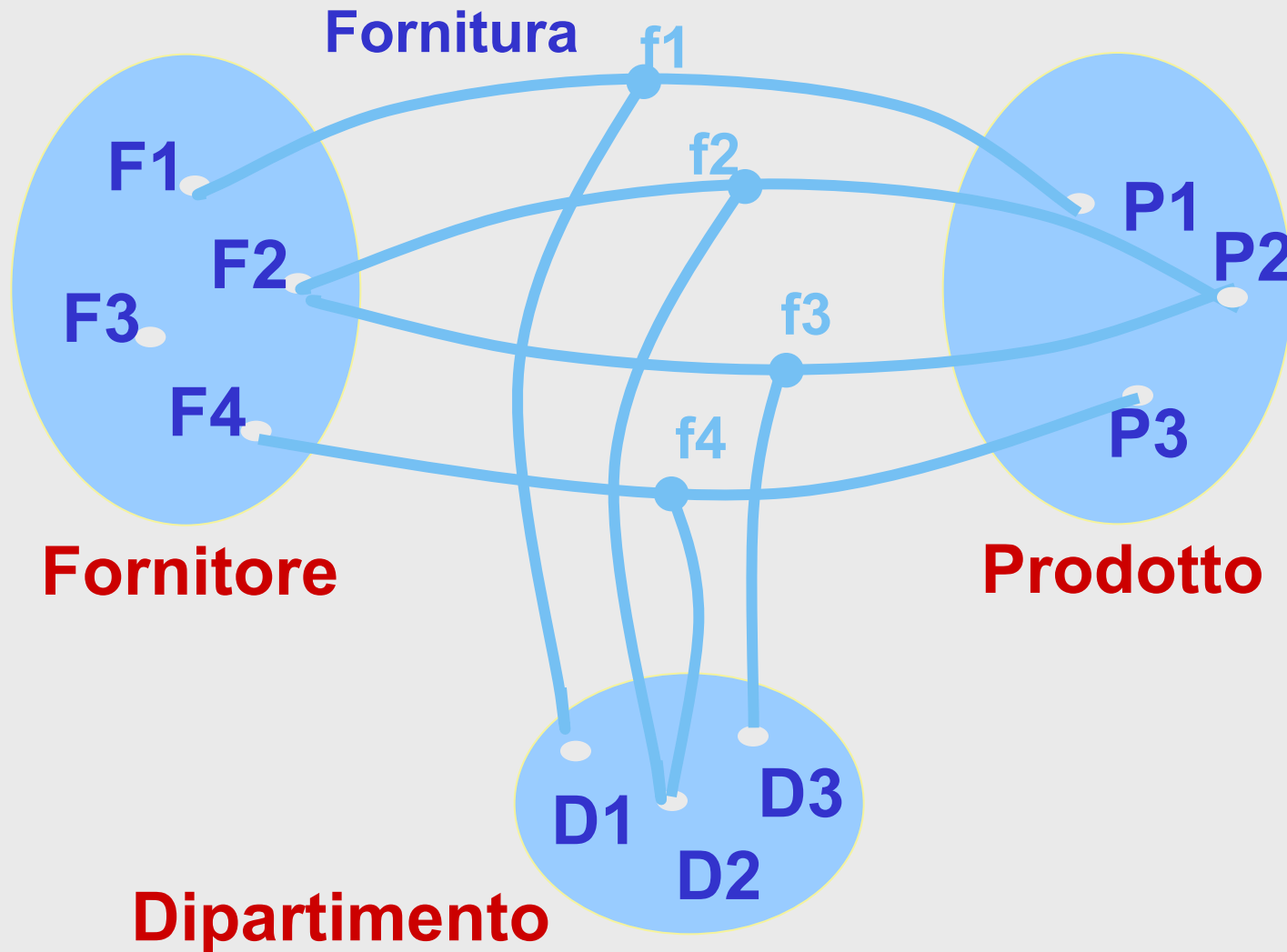
Con l'entità Esame



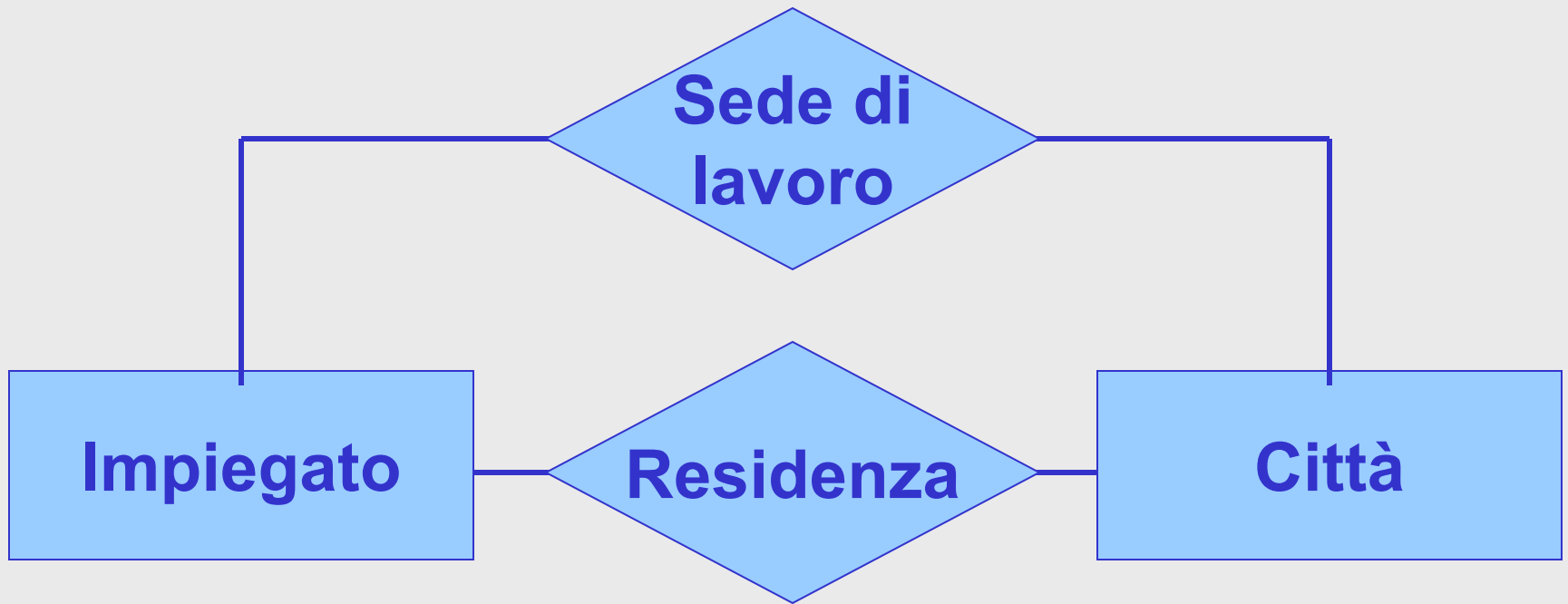
Relationship n-aria



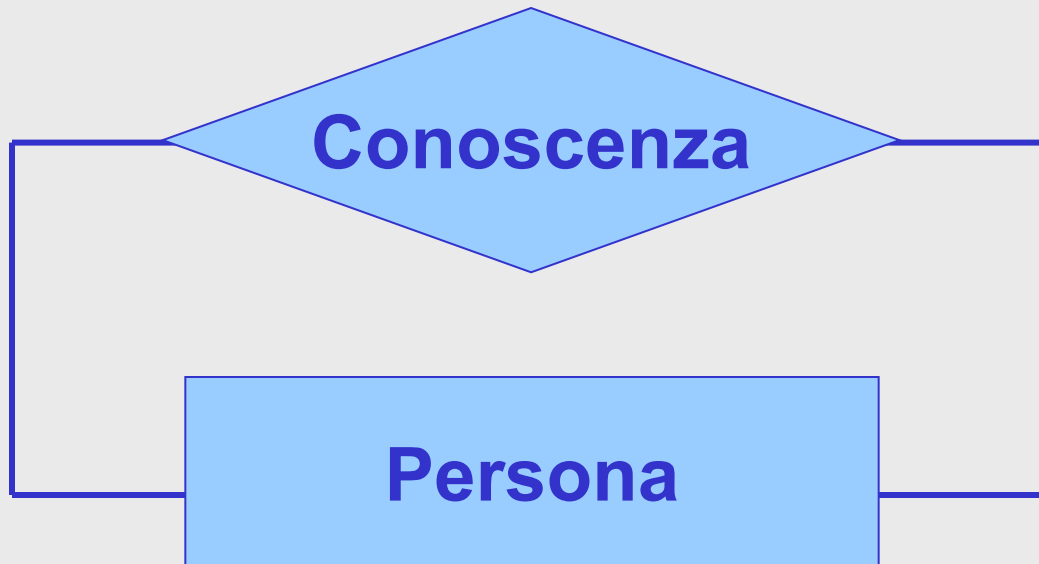
Esempi di occorrenze



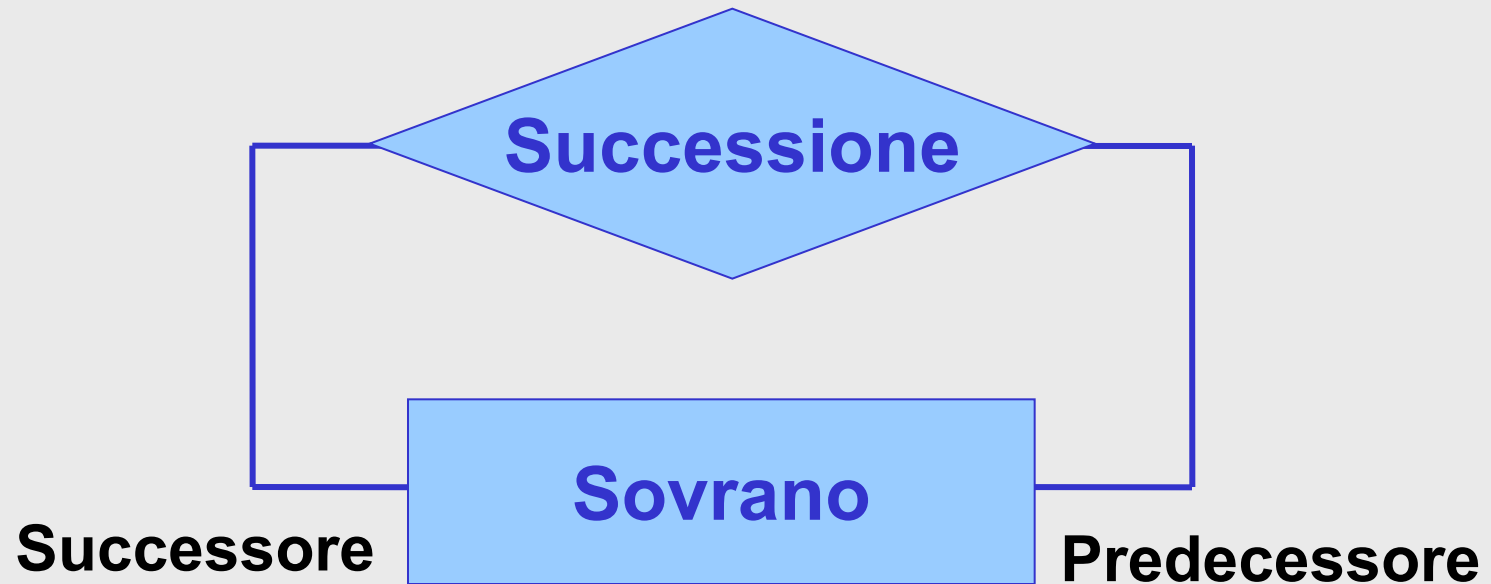
Due relationship sulle stesse entità



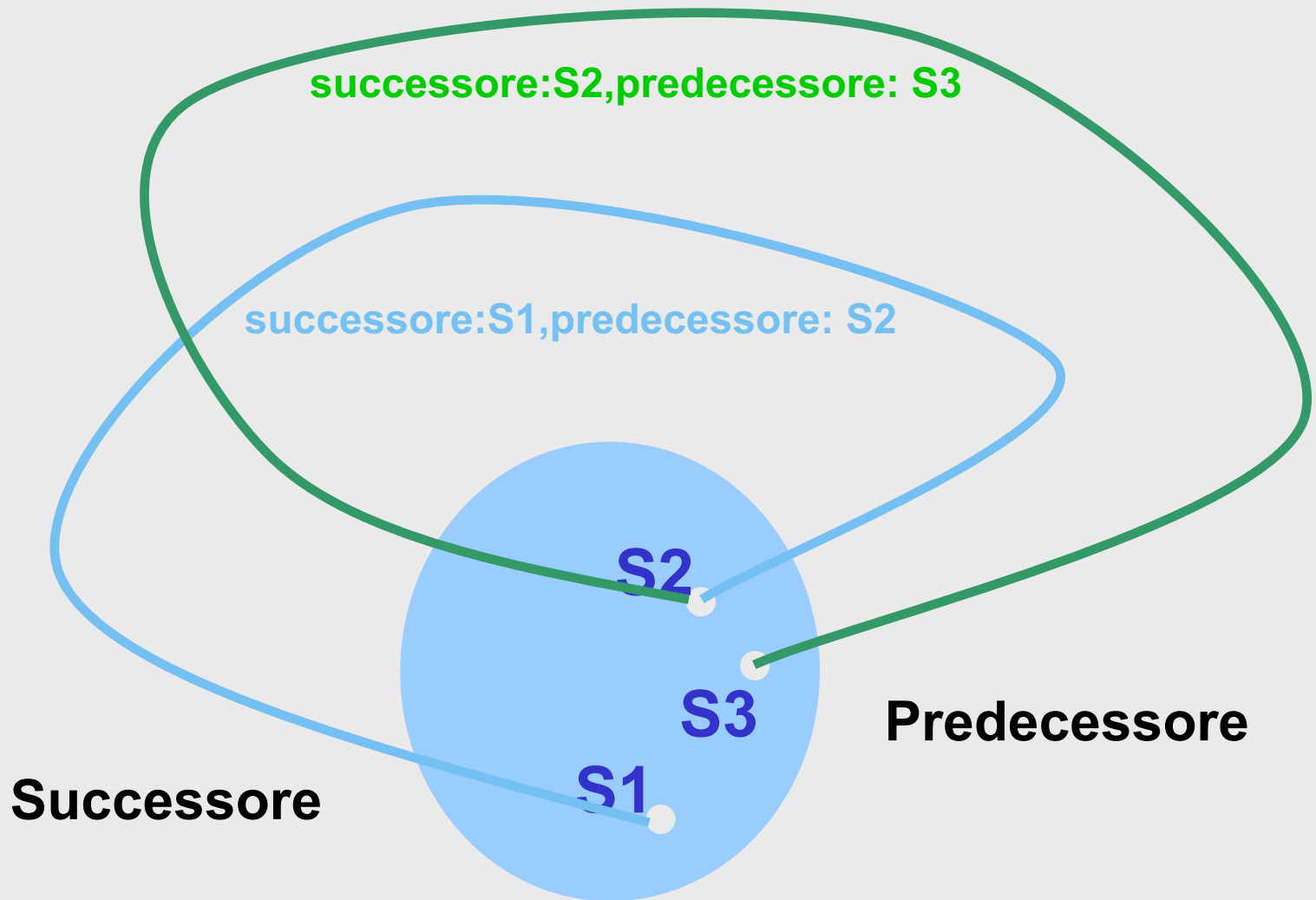
Relationship ricorsiva: coinvolge “due volte” la stessa entità



Relationship ricorsiva con “ruoli”



Esempi di occorrenze



Edoardo IV



Ritratto di Edoardo IV

Re d'Inghilterra e Signore d'Irlanda



In carica 4 marzo 1461 -
30 ottobre 1470

Incoronazione 28 giugno 1461

Predecessore Enrico VI

Successore Enrico VI

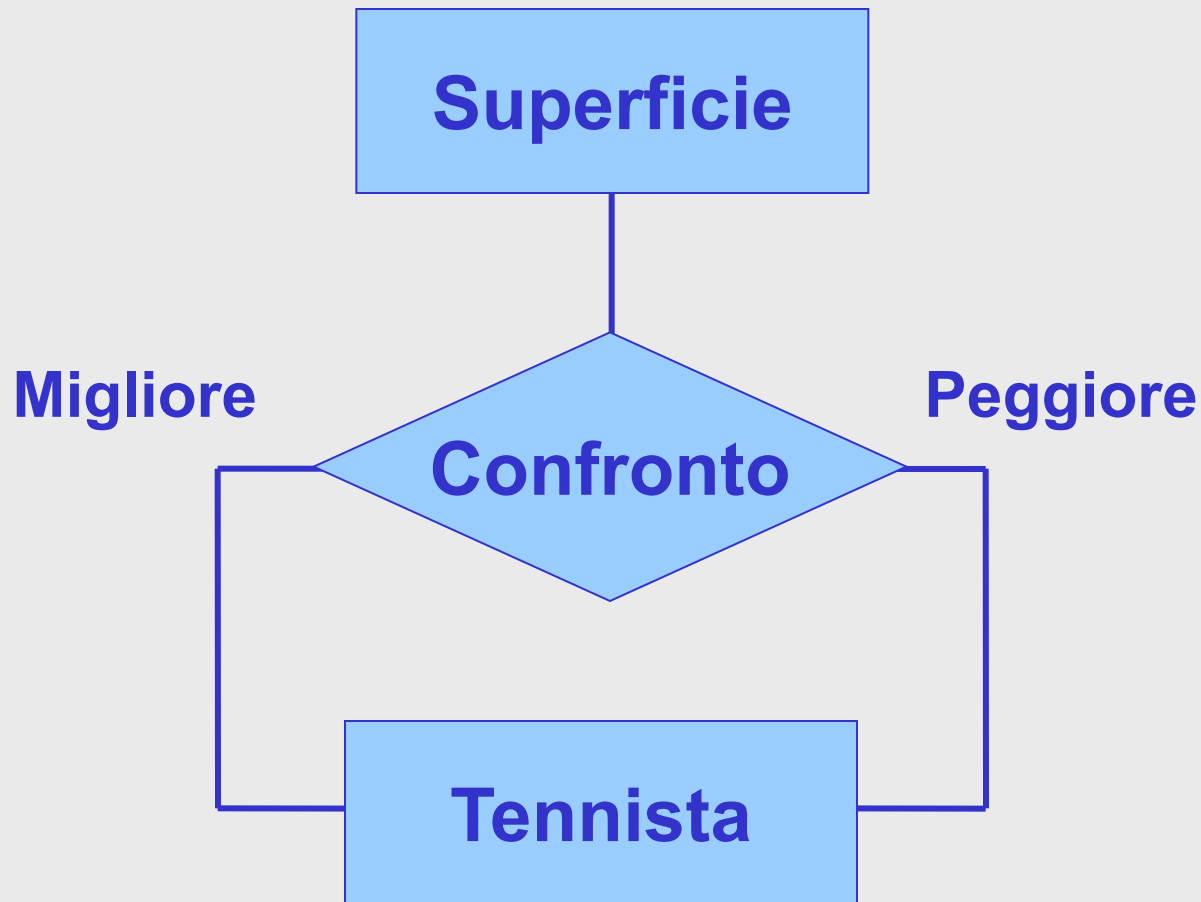
Re d'Inghilterra e Signore d'Irlanda

In carica 11 aprile 1471 -
9 aprile 1483

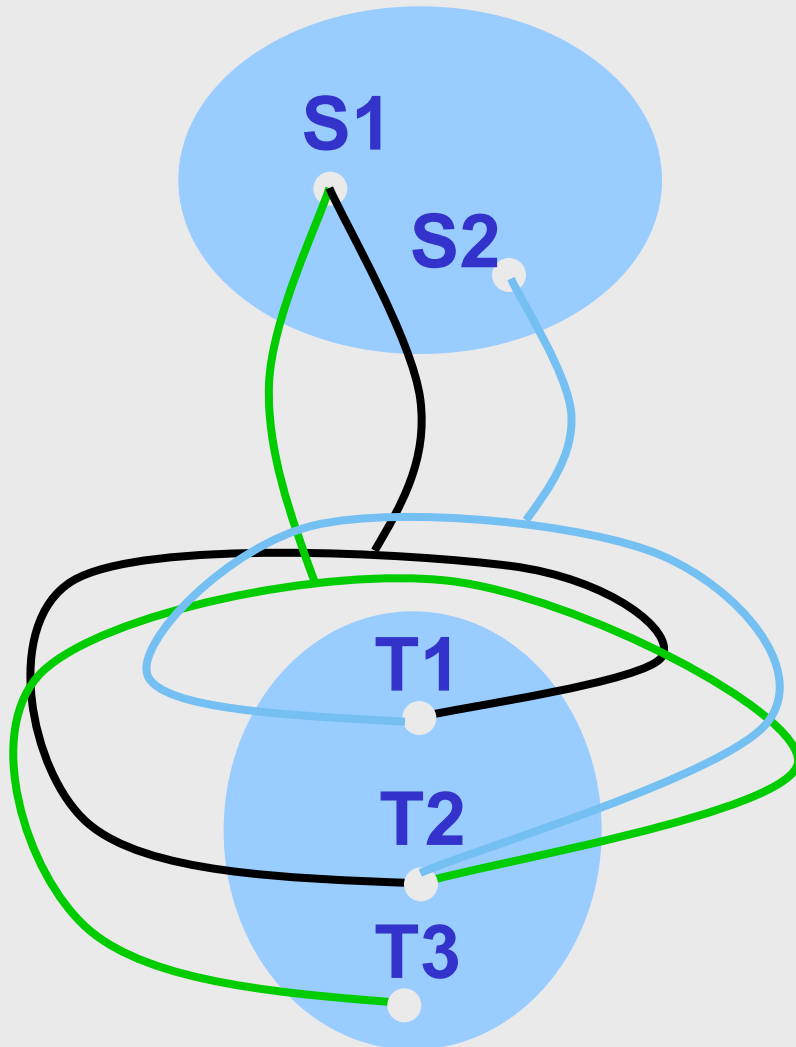
Predecessore Enrico VI

Successore Edoardo V

Relationship ternaria ricorsiva



Esempi di occorrenze

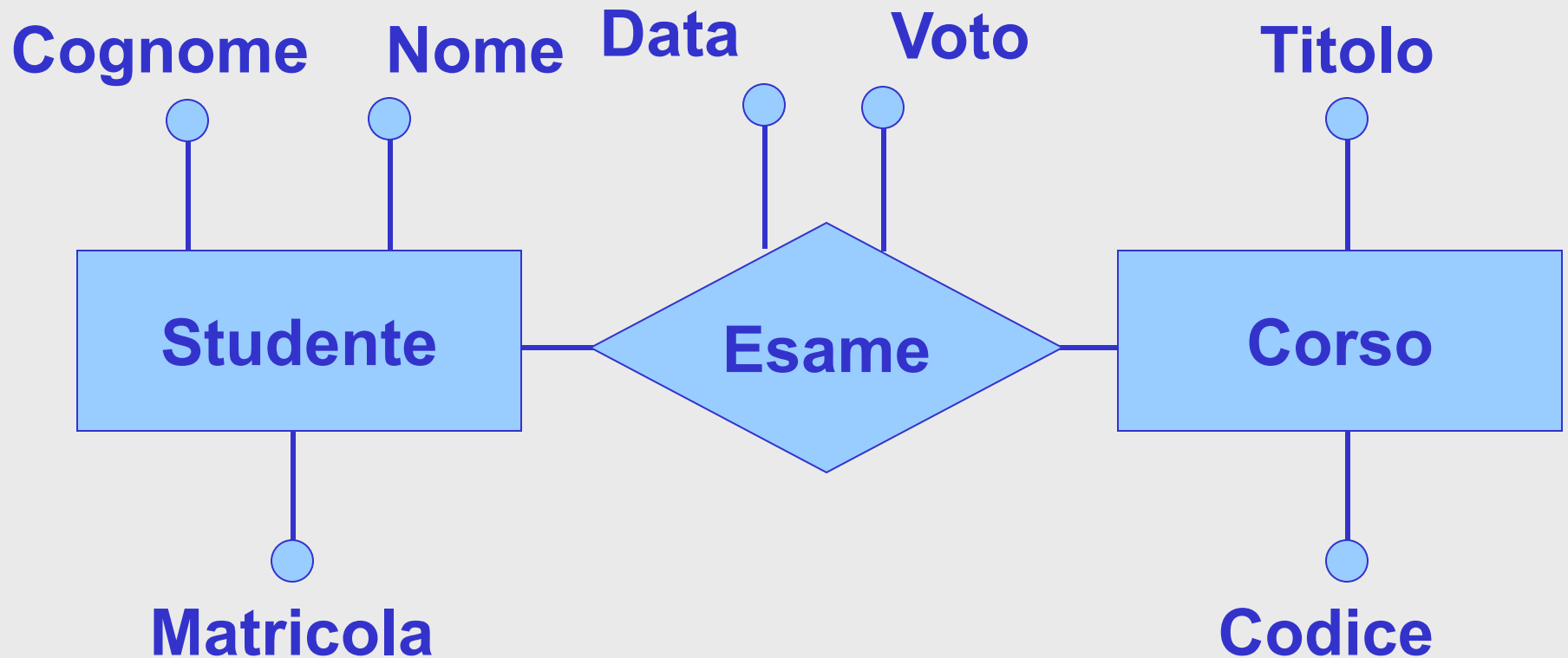


T1 è migliore di T2 su S2

T2 è migliore di T1 su S1

T3 è migliore di T2 su S1

Attributi, rappresentazione grafica

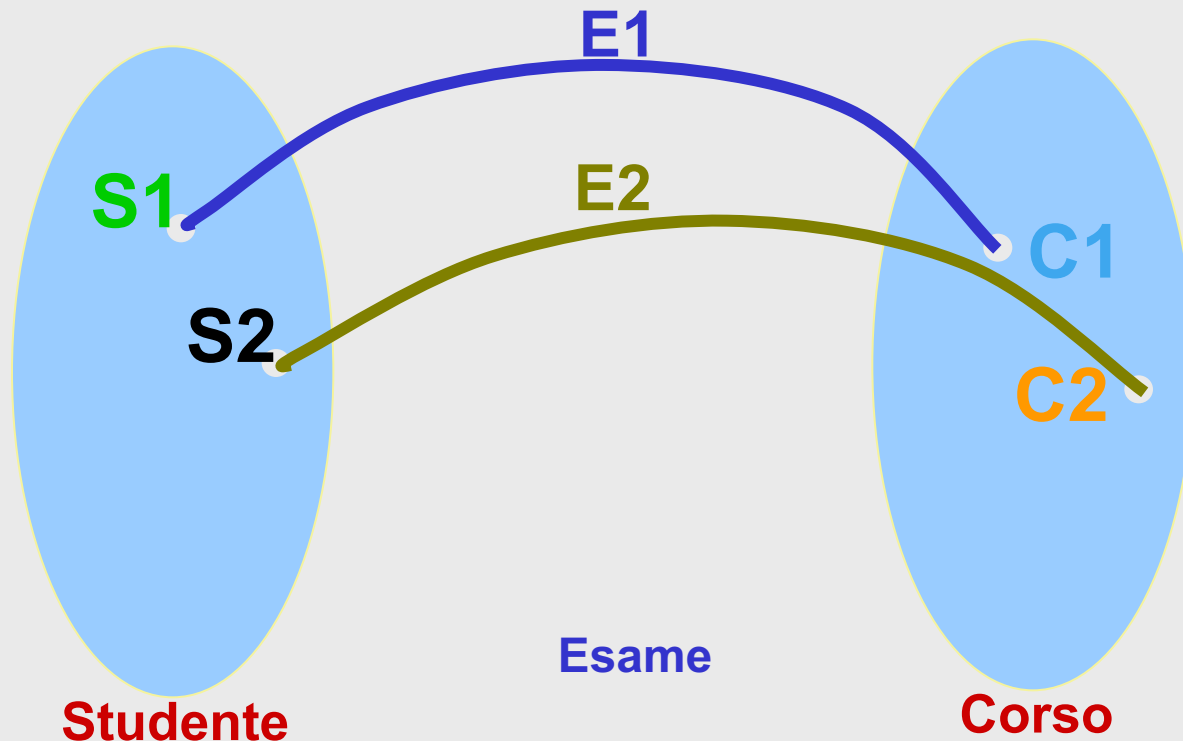


Esempi di occorrenze

Matricola: 34567
Cognome: Rossi
Nome: Mario

Data: 25/07/2004
Voto: 26

Codice: Inf205
Titolo: Basi di dati



Matricola: 46742
Cognome: Neri
Nome: Piero



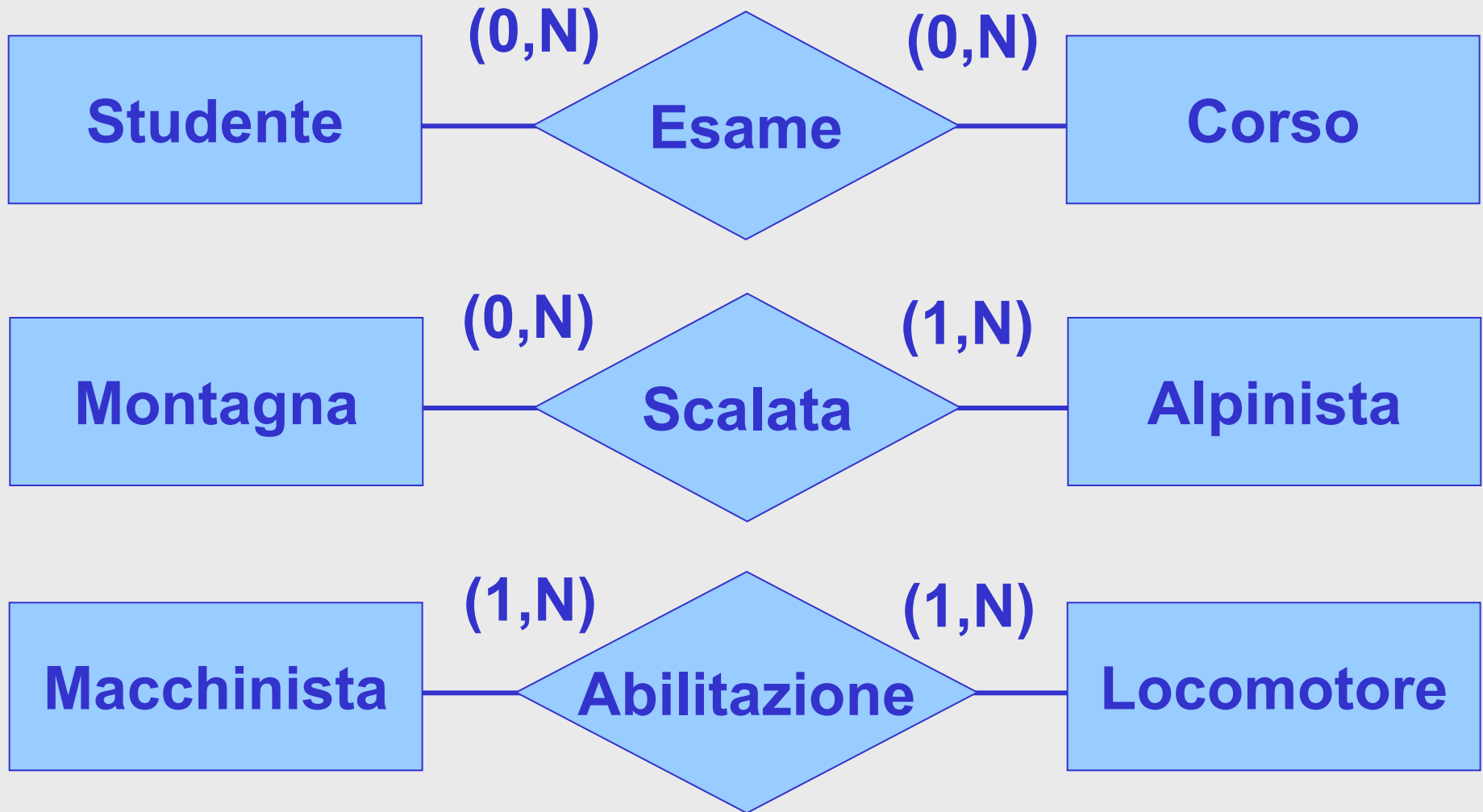
Esempio di cardinalità



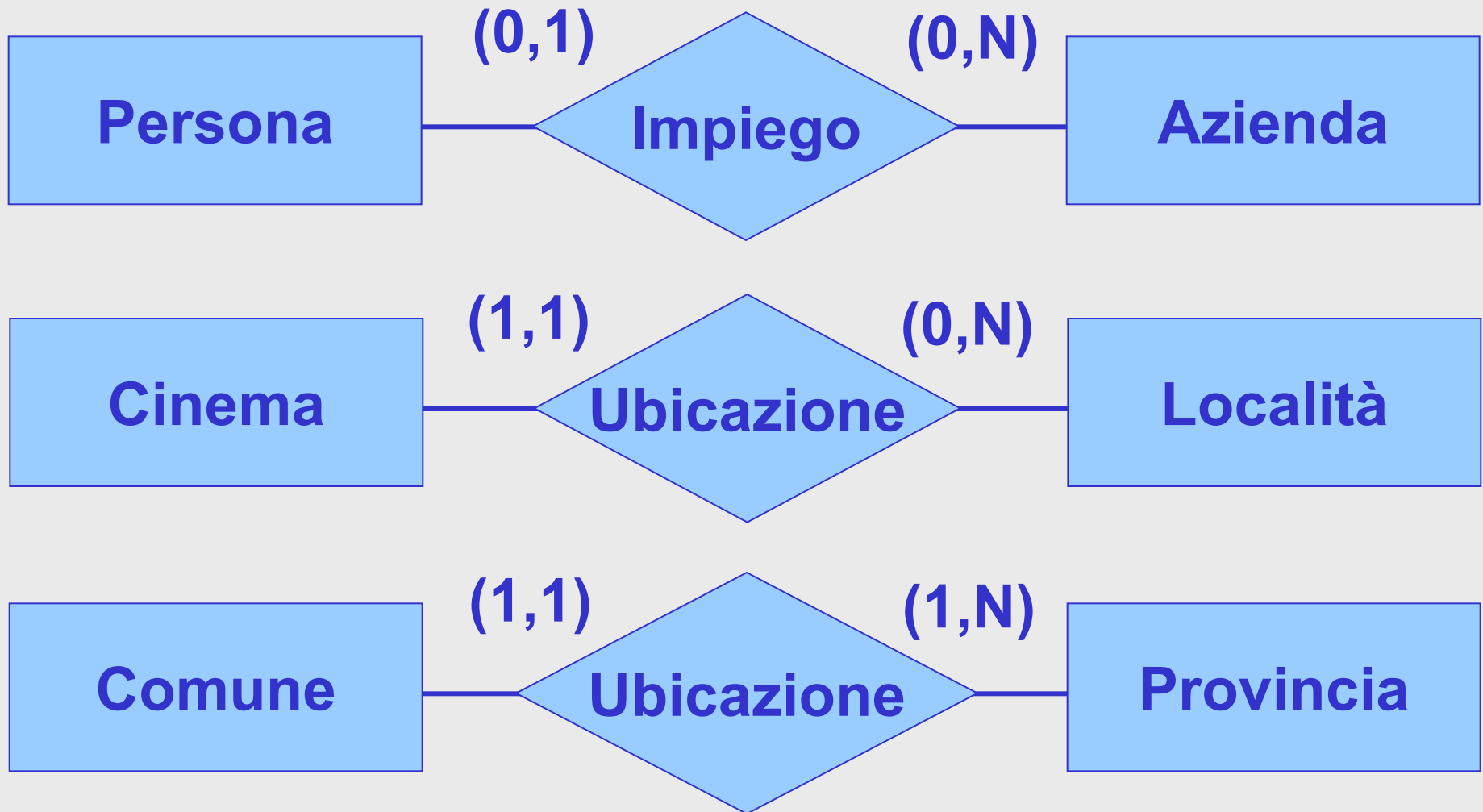
Cardinalità di Residenza



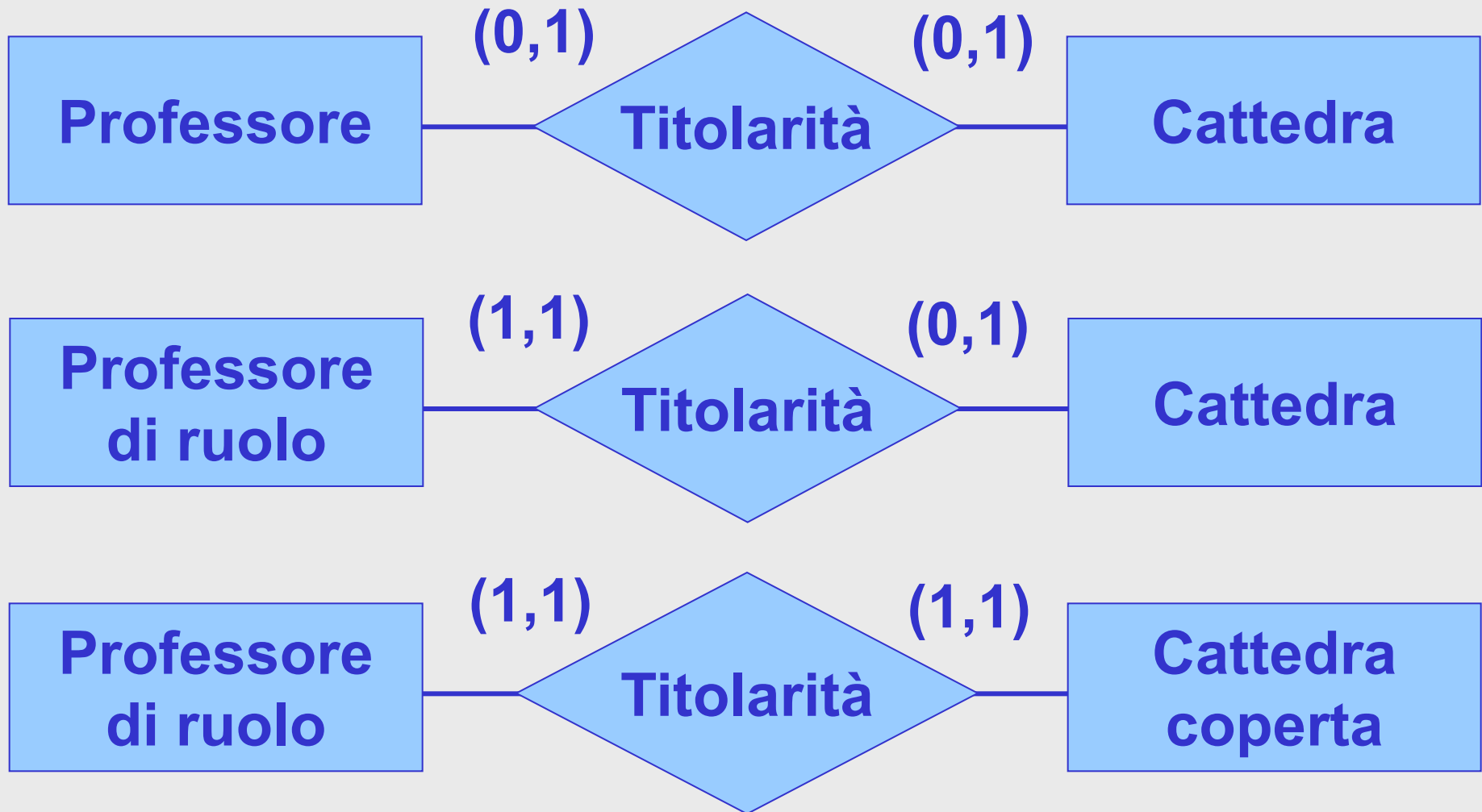
Relationship “molti a molti”



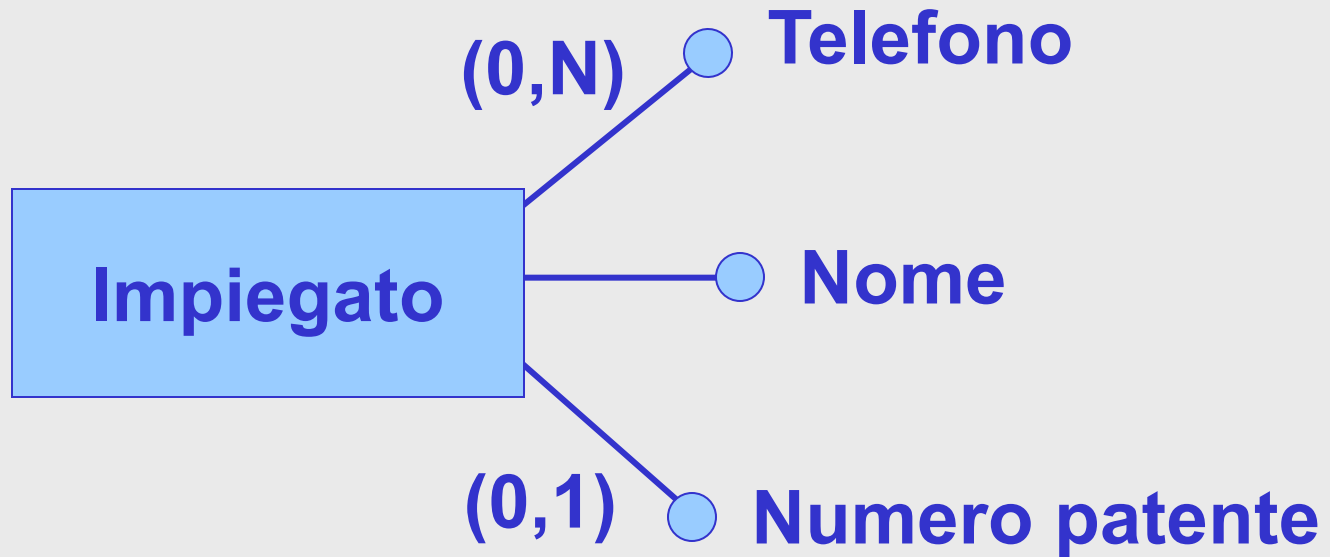
Relationship “uno a molti”



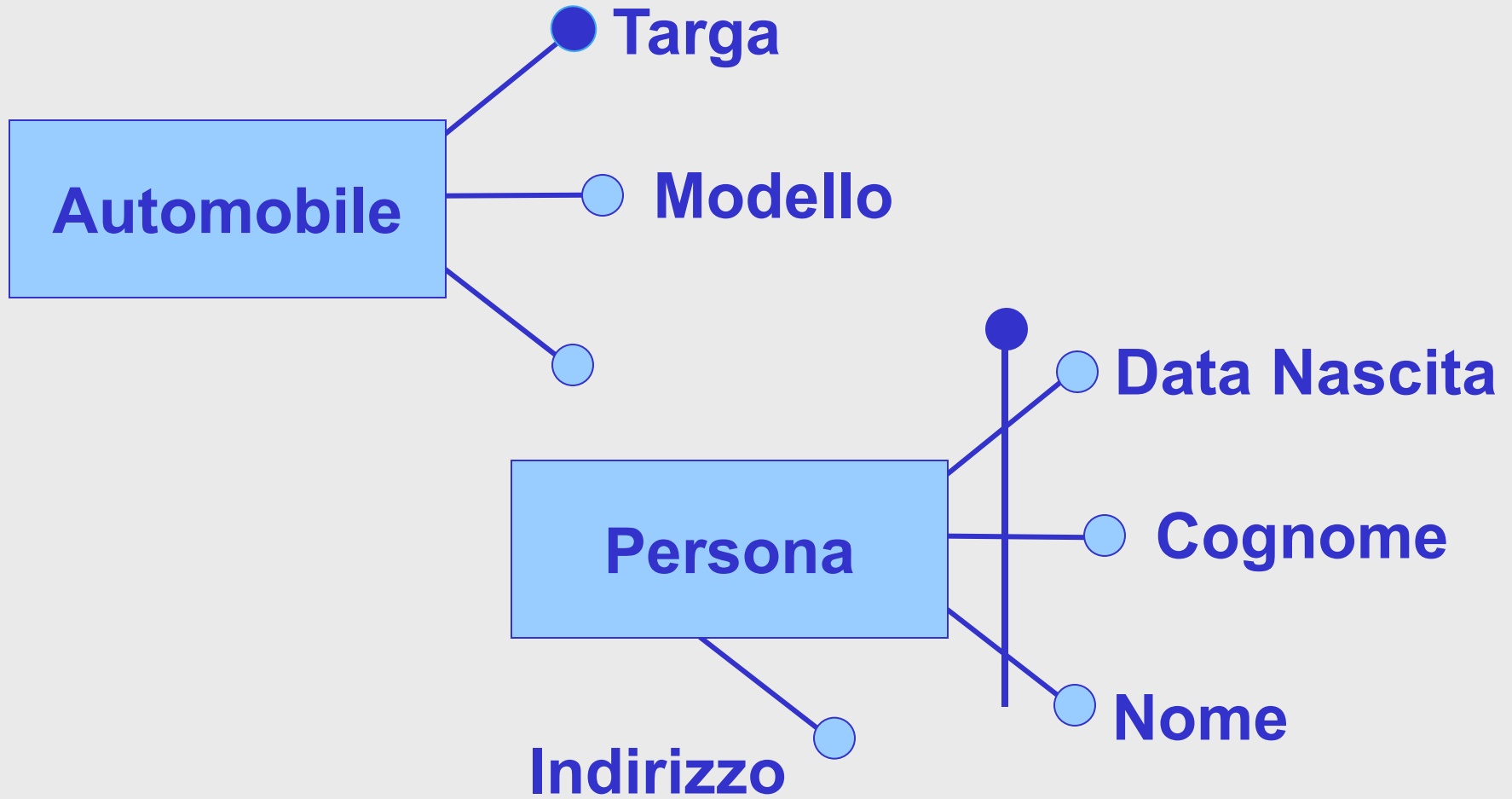
Relationship “uno a uno”



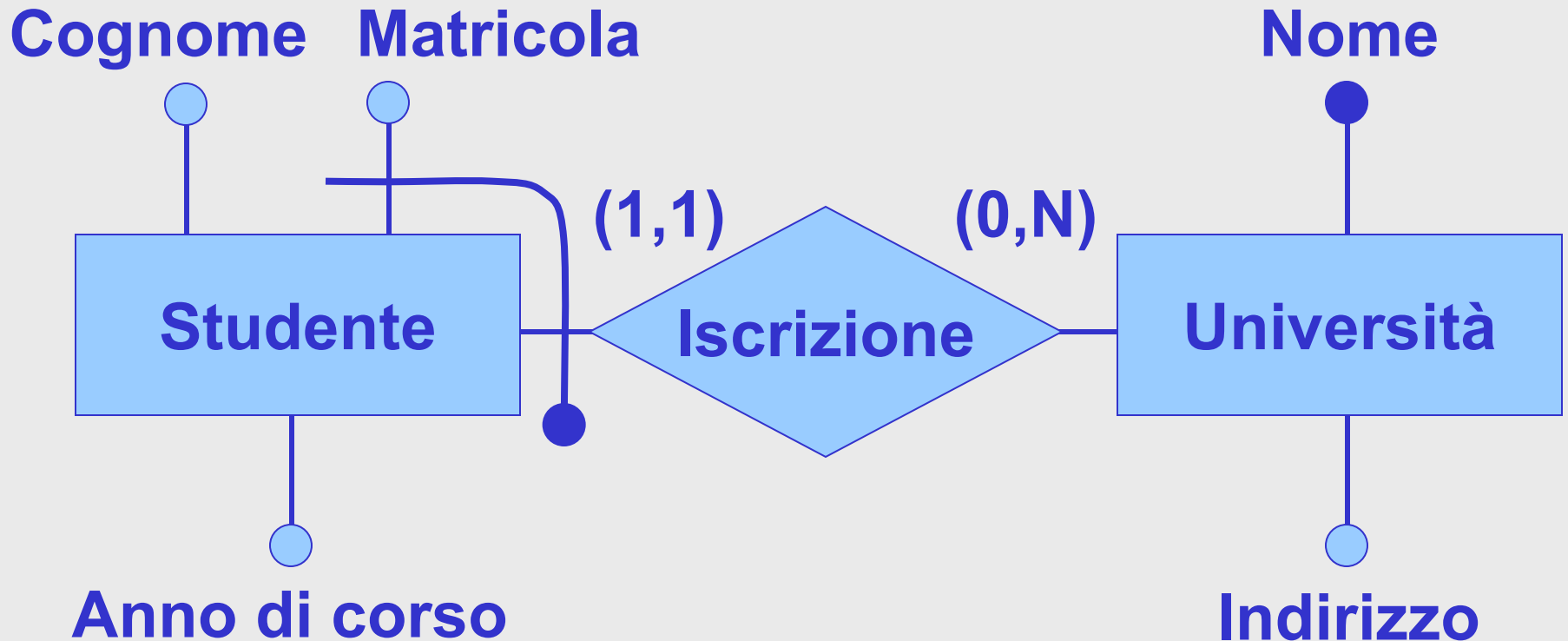
Cardinalità di attributi

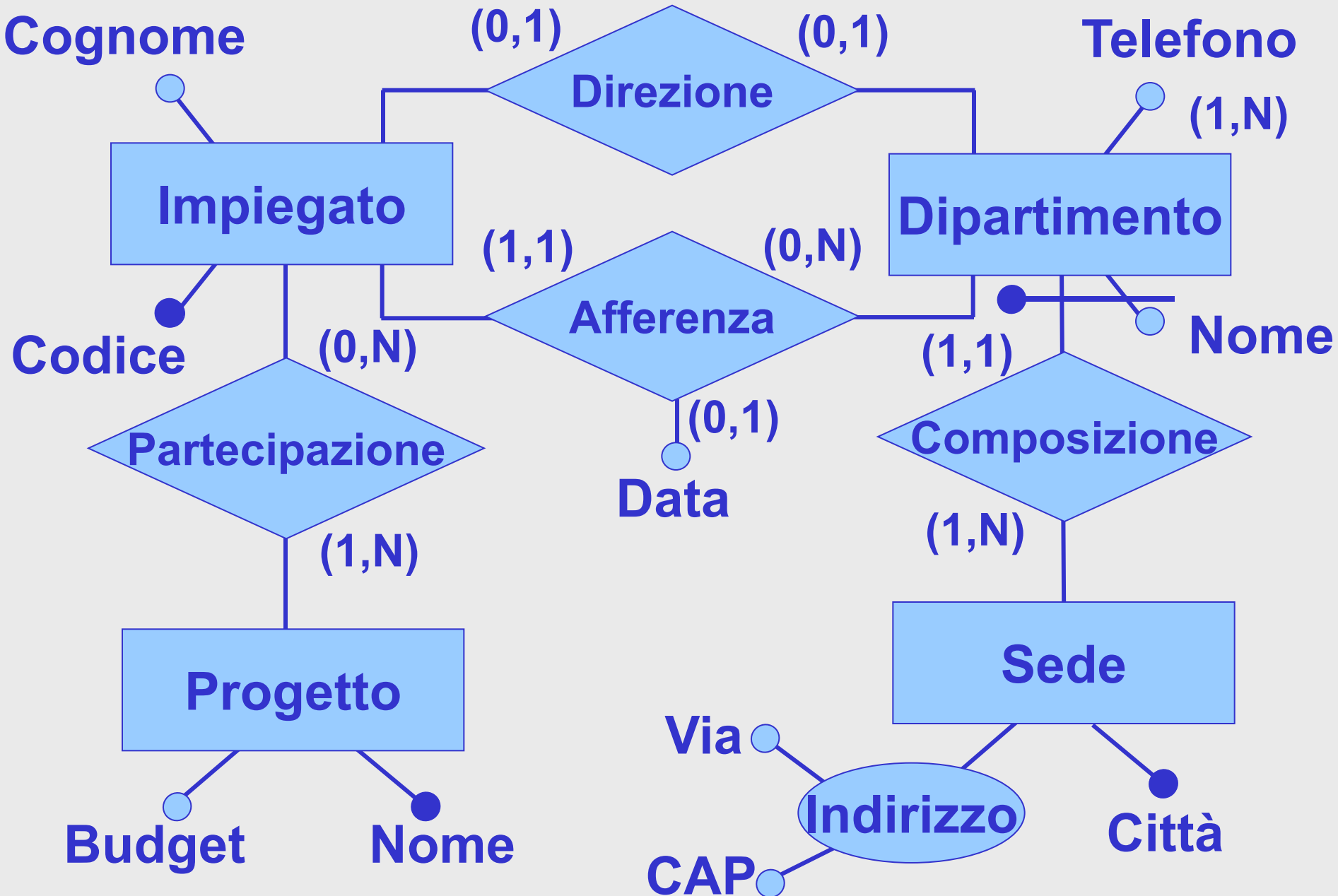


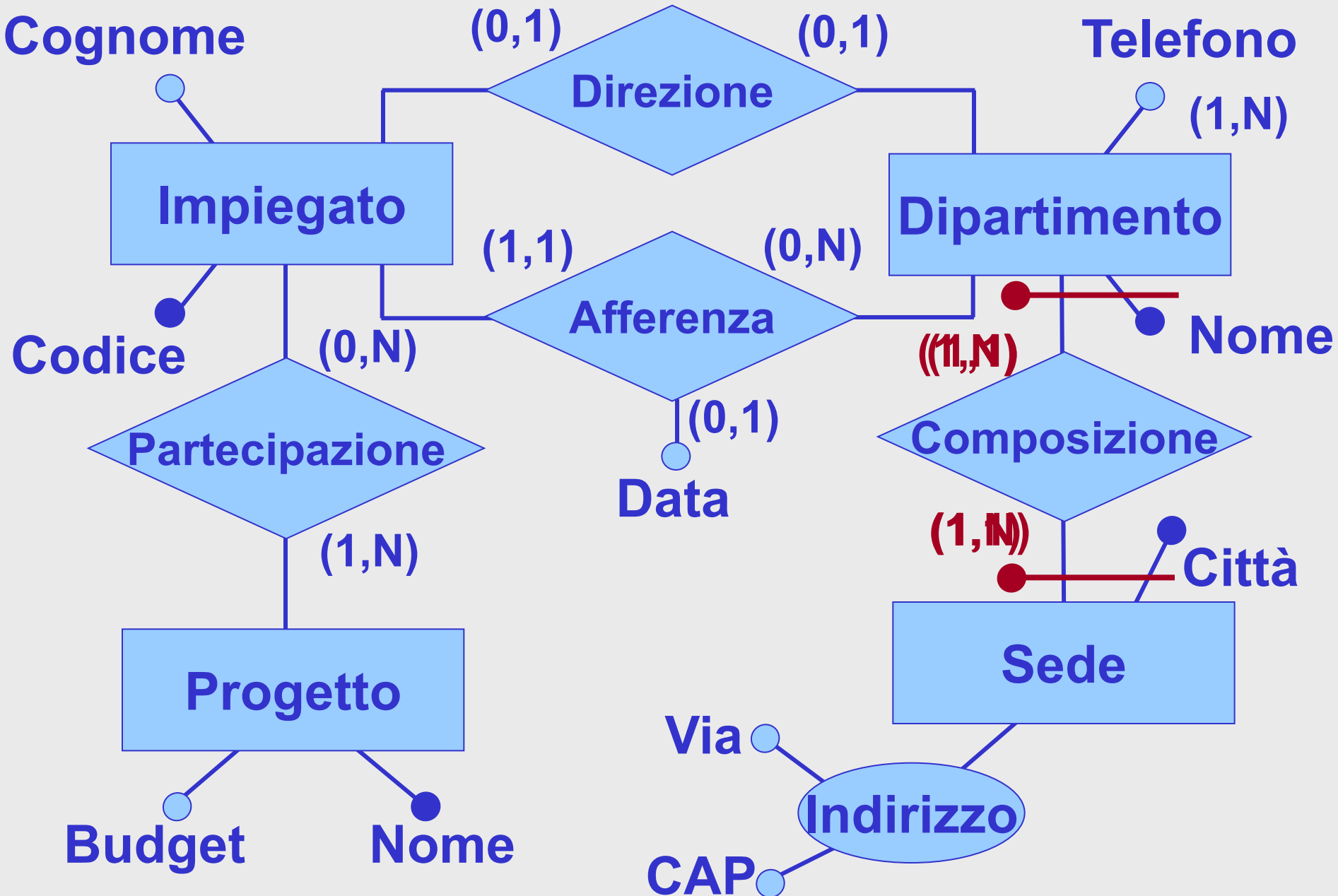
Identificatori interni



Identificatore esterno







Generalizzazione

