

# Knowledge Representation

Conceptual Graph (Part I)

A A Sanda A Sa

#### Conceptual Graph: Description & Syntax

Graph representation for logic based on the semantic networks & existential graphs

Syntax ....

Concept Node

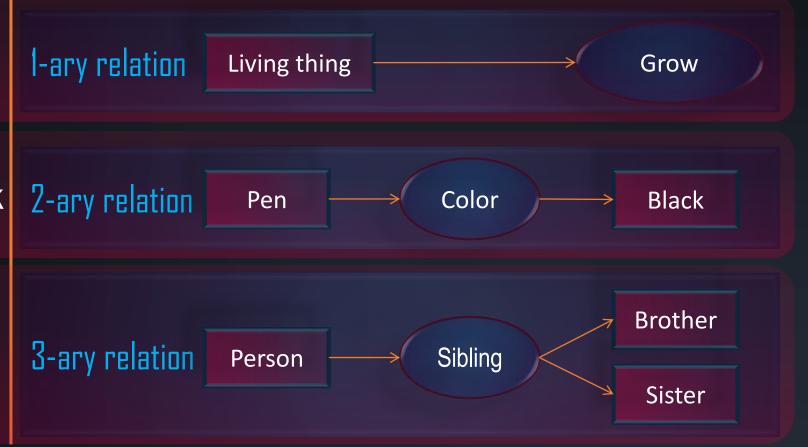
Relation Node A Known of the Control of the Contro

### Conceptual Graph: Arity of Relation

Living things grow

Color of Pen is Black

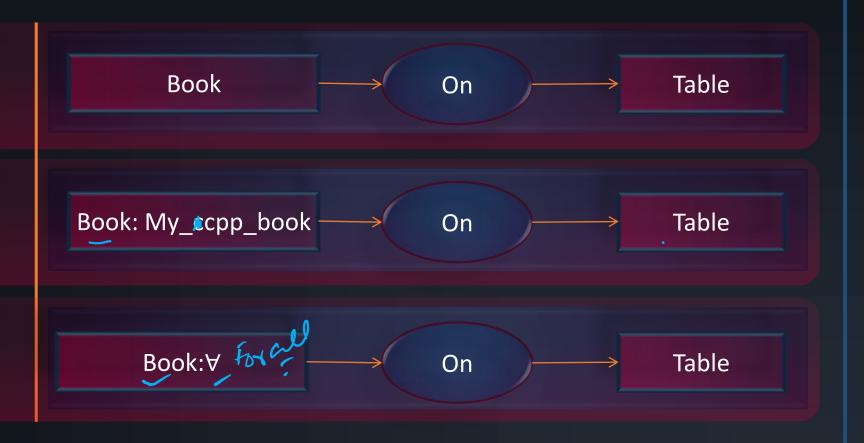
Person siblings brother & sister



A Tropy of the state of the sta

#### Conceptual Graph: Examples

- Book is on Table
- My\_cpp\_book is on table
- Every book is on table



Conceptual Graph: Description & Syntax My\_cpp\_book with ISBN# 1234567 is on table Testonh Concept: Ref 7 UID Textbook mycep is on Table Lestonis A Rowh

Representation Anowledge See Conceptual Graph: Description & Syntax Bilal is standing between Ahmad and Sair. Sair is on Wet and hard place - All-Remon: Alma berran: Bolal Between



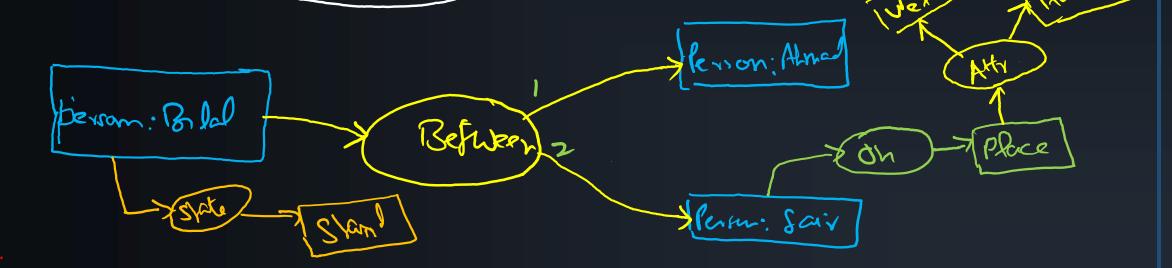
# Knowledge Representation

Conceptual Graph (Part II)

So the parties of the

### Conceptual Graph: Description & Syntax

- Bilal is standing between Ahmad and Sair.
- Sair is on Wet and hard place All



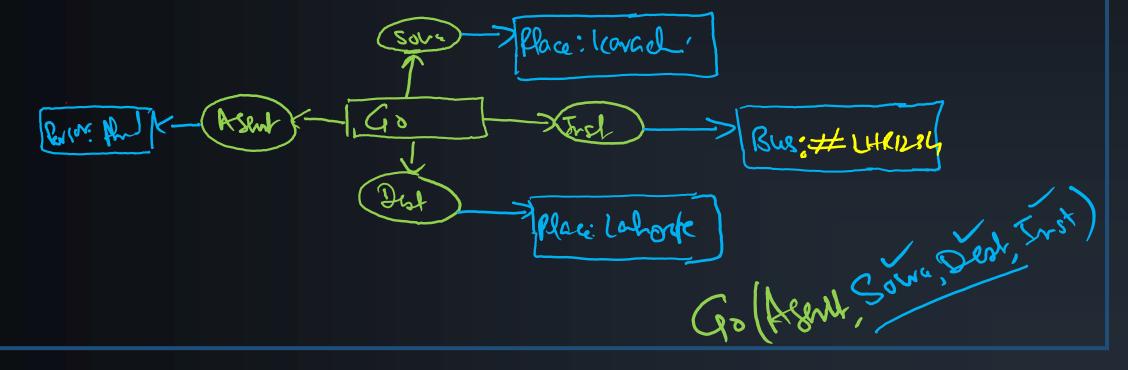
Conceptual Graph: Description & Syntax Bilal is standing between Ahmad and Sair. Sair is on Wet and hard place — All-Person: Alma Befween

A Transporter of the state of t

## Conceptual Graph: Description & Syntax

> There

Ahmad is going to Lahore from Karachi on Bus



So to the second second

## Conceptual Graph: Description & Syntax

real: fundirer is A rev

Outcome of a company policy # Poo1 is a funding request.

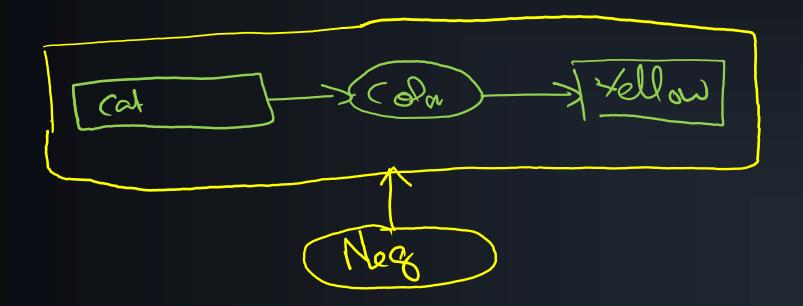
No serais

Sonot.

A Kongangan Kasangan Kasangan

## Conceptual Graph: Description & Syntax

Color of cat is not yellow.



A CONTRACTOR OF THE PROPERTY O

### Conceptual Graph: Description & Syntax

Ahmad believes that Bilal will give book to Sair