https://powcoder.com

SEAT Massey University

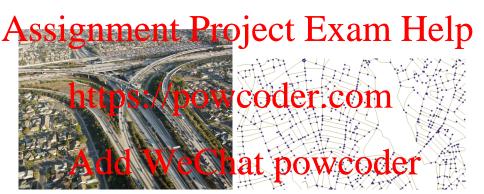
Graph: model the interconnectivity of objects.

Definition (Graph)

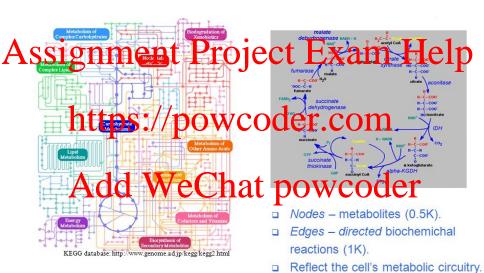
A graph of his part Progree (redes and easily of the part of the part

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Road Network



Metabolic Network



- Communication networks.
- · Dist huttps://powcoder.com
- etc.

Graph is a general tool for modelling the interconnectivity of the objects in the real work $\overline{\mathbf{u}}$

A graph can be extremely large.

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See http://law.di.unimi.it/datasets.php. $Add\ We Chat\ powcoder$

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Graph Queries

Path Query.

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- Path Query.
- Patthttps://powcoder.com
- Analytical Query.
- ...

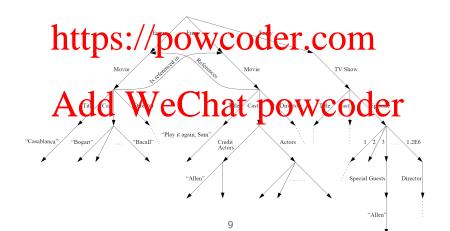
- Pattern Query.
- Analytical Query.//powcoder.com

Many graph quenes can hardly be expresse pin Wand evaluated under RDBMS.

Graph data: semi-structured data

• Self-describing data.

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Graph data: semi-structured data

- Self-describing data.

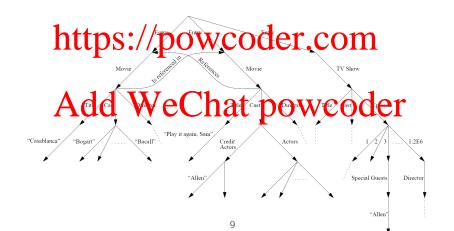
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Web graph: webpages and their hyperlinks



Graph data: semi-structured data

- Self-describing data.
- Document/text attached on nodes/edges.
- As Sureries can be more complicated ect. Exam Help



Graph Databases

Motivation: Assignment Project Fxam Help objects in the real world.

- Real world graphs can be extremely large.
- Graphtitie Sre con potwa Gooder. Com
- Graph data: semi-structured data.

Graph Databases

Motivation: Assignment Project Fxam Help objects in the real world.

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Aim: to under a woe Chat powcoder

- General graph database Neo4J.
- RDF graphs with their query language SPARQL.