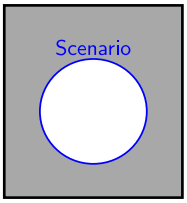
Examples of the use of Concept Diagrams

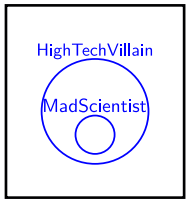
A scenario of superheroes and their villains is applied to demonstrate the use of concept diagrams.

Every curve or arrow can be labelled (giving a name for it) or not. Two curves or arrows with different names could actually refer to the same object. Two curves or arrows with the same name refer to the same object, regardless of their sizes or positions.

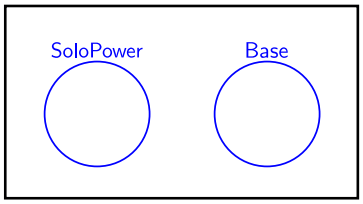
Usually we do not draw all objects inside curves or rectangles, unless we want to emphasize some objects. A curve or rectangle represents a set of objects (can be no object, i.e. empty).



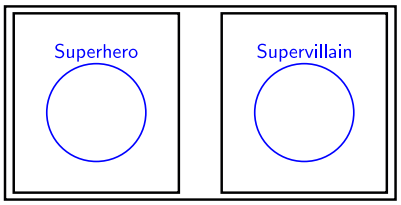
Everything is a Scenario



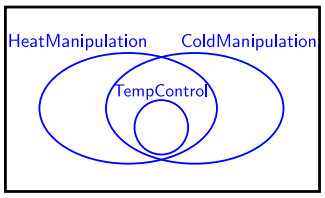
All MadScientist are HighTechVillain



No SoloPower is Base



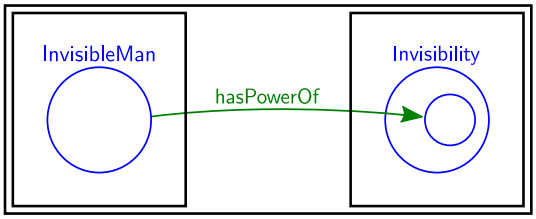
There are Superhero and Supervillain



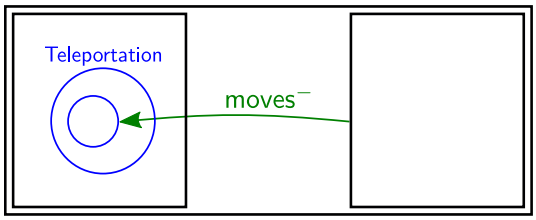
All TempControl are HeatManipulation and ColdManipulation.

Transitive: isStrongerThan

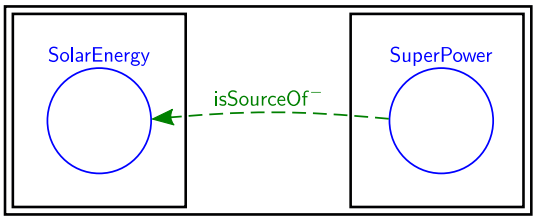
If a isStrongerThan b
and b isStrongerThan c,
then a isStrongerThan c.



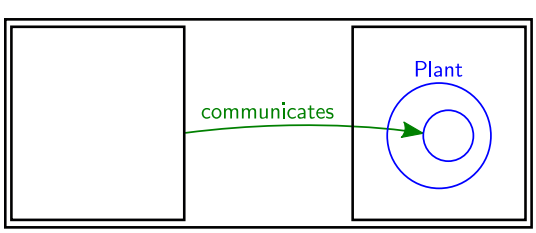
InvisibleMan hasPowerOf only Invisibility



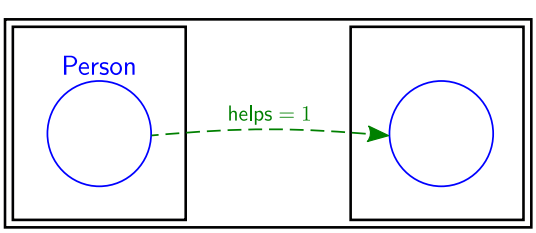
Only Teleportation moves Thing



SolarEnergy isSourceOf at least one SuperPower



Thing communicates only Plant



Person helps exactly one instance of something.