

APPENDIX

C

REPRESENTATION OF LINKS

This appendix presents the representation of links currently used by MAPTUTOR. This representation follows the **LINK Prototype** presented in **Section 3.7.2** (see **Table 3–7 on page 67**).

Slot	Value
Full name	IS PART OF
Short name	PART OF
Abbreviation	PART
Definition	A concept IS PART OF another when the first is a piece, portion or integral constituent of the second (the whole)
Meaning	The concept represented by the origin node IS PART OF the concept represented by the terminal node.
Inherently ambiguous?	no
Coexists with	none
Keywords	[PART, SEGMENT, PORTION]
Full name	IS A
Short name	IS A
Abbreviation	IS A
Definition	A concept is a type of IS A another when the first is an example of, a kind of, in the category of, or is a member of the second.
Meaning	The concept represented by the origin node IS A MEMBER, SUBSET OR EXAMPLE of the concept represented by the terminal node.
Inherently ambiguous?	no
Coexists with	none
Keywords	[IS A, IS A TYPE OF, IS AN EXAMPLE OF, IS A KIND OF, IS IN THE CATEGORY OF]

Appendix C – Representation of Links

Slot	Value
Full name	LEADS TO
Short name	LEADS TO
Abbreviation	LEADS
Definition	A concept LEADS TO another when the first causes the second to act, feel, think, or behave in certain way; or when the second is the outcome or consequence of the first.
Meaning	The concept represented by the origin node AFFECTS, LEADS TO or RESULT IN the concept represented by the terminal node.
Inherently ambiguous?	yes
Coexists with	leads to
Keywords	[LEADS, RESULTS, IMPLIES, CAUSES, PRODUCES, AFFECT]
Full name	IS EQUIVALENT TO
Short name	EQUIVALENT
Abbreviation	EQUIV
Definition	Two concepts are EQUIVALENT when they are the same, equal, interchangeable, or identical; match; alike but not identical; similar or corresponding in some respect.
Meaning	The concept represented by one node is ANALOGOUS TO, SIMILAR TO, CORRESPONDS TO, or IS LIKE the concept represented by other node. (The direction of the link does not matter here.)
Inherently ambiguous?	no
Coexists with	none
Keywords	[SAME, EQUAL, SIMILAR, DEFINITION, LIKE, CORRESPONDS, ANALOGOUS]

Appendix C – Representation of Links

Slot	Value
Full name	HAS PROPERTY
Short name	HAS PROPERTY
Abbreviation	HAS
Definition	A concept HAS PROPERTY of another concept when the second is a quality, attribute, or distinct feature or characteristic attribute of the first.
Meaning	The concept represented by the terminal node is an ATTRIBUTE or defining PROPERTY of the concept represented by the origin node.
Inherently ambiguous?	no
Coexists with	none
Keywords	[HAS, HAVE, ATTRIBUTE, CHARACTERISTIC, PROPERTY, FEATURE, ASPECT, QUALITY]

