

Index	Rule
1	$\forall x, y \text{ @DBLP_A:author}(x) \wedge \text{String}(y) \wedge$ $\text{@DBLP_A:aname}(x, y) \rightarrow \text{@DBLP_B:author}(x) \wedge$ $\text{@DBLP_B:aname}(x, y)$
2	$\forall x, y \text{ @DBLP_A:article}(x) \wedge \text{String}(y) \wedge$ $\text{@DBLP_A:title}(x, y) \rightarrow \text{@DBLP_B:pub}(x) \wedge$ $\text{@DBLP_B:title}(x, y)$
3	$\forall x, y \text{ @DBLP_A:article}(x) \wedge \text{String}(y) \wedge$ $\text{@DBLP_A:pages}(x, y) \rightarrow \text{@DBLP_B:pub}(x) \wedge$ $\text{@DBLP_B:pages}(x, y)$
4	$\forall x, y \text{ @DBLP_A:article}(x) \wedge \text{String}(y) \wedge$ $\text{@DBLP_A:cdrom}(x, y) \rightarrow \text{@DBLP_B:pub}(x) \wedge$ $\text{@DBLP_B:cdrom}(x, y)$
5	$\forall x, y \text{ @DBLP_A:article}(x) \wedge \text{String}(y) \wedge$ $\text{@DBLP_A:url}(x, y) \rightarrow \text{@DBLP_B:pub}(x) \wedge$ $\text{@DBLP_B:url}(x, y)$
6	$\forall x, y \text{ @DBLP_A:article}(x) \wedge \text{String}(y) \wedge$ $\text{@DBLP_A:journal}(x, y) \rightarrow \exists z \text{@DBLP_B:pub}(x) \wedge$ $\text{@DBLP_B:conf_Jour_year}(z) \wedge \text{@DBLP_B:yr}(x, z) \wedge \text{@DBLP_B:jname}(z, y)$
7	$\forall x, y \text{ @DBLP_A:article}(x) \wedge \text{@DBLP_A:Year}(y) \wedge$ $\text{@DBLP_A:year}(x, y) \rightarrow \text{@DBLP_B:pub}(x) \wedge$ $\text{@DBLP_B:year_conf_Jour}(y) \wedge \text{@DBLP_B:yjname}(x, y)$
8	$\forall x, y \text{ @DBLP_A:article}(x) \wedge \text{@DBLP_A:author}(y) \wedge \text{String}(z)$ $\text{@DBLP_A:article_author}(x, y) \wedge \text{journal}(x, z) \rightarrow \text{@DBLP_B:author_conf_Jour}(x) \wedge$ $\text{@DBLP_B:jname}(x, z)$
9	$\forall x, y \text{ @DBLP_A:conference}(x) \wedge \text{String}(y) \wedge$ $\text{@DBLP_A:title}(x, y) \rightarrow \text{@DBLP_B:year_conf_Jour}(x) \wedge$ $\text{@DBLP_B:yjname}(x, y)$
10	$\forall x, y \text{ @DBLP_A:article}(x) \wedge \text{@DBLP_A:author}(y) \wedge \text{@DBLP_A:year}(z)$ $\text{@DBLP_A:article_author}(x, y) \wedge \text{@DBLP_A:year}(x, z) \rightarrow \text{@DBLP_B:author_year}(x) \wedge$ $\text{@DBLP_B:ayr}(x, z)$

Table 1: Mappings From DBLP A To DBLP B Databases

Index	Rule
1	$\forall x, y \text{ @DBLP_B:author}(x) \wedge \text{String}(y) \wedge$ $\text{@DBLP_B:aname}(x, y) \rightarrow \text{@DBLP_A:author}(x) \wedge$ $\text{@DBLP_A:aname}(x, y)$
2	$\forall x, y \text{ @DBLP_B:pub}(x) \wedge \text{String}(y) \wedge$ $\text{@DBLP_B:title}(x, y) \rightarrow \text{@DBLP_A:article}(x) \wedge$ $\text{@DBLP_A:title}(x, y)$
3	$\forall x, y \text{ @DBLP_B:pub}(x) \wedge \text{String}(y) \wedge$ $\text{@DBLP_B:pages}(x, y) \rightarrow \text{@DBLP_A:article}(x) \wedge$ $\text{@DBLP_A:pages}(x, y)$
4	$\forall x, y \text{ @DBLP_B:pub}(x) \wedge \text{String}(y) \wedge$ $\text{@DBLP_B:cdrom}(x, y) \rightarrow \text{@DBLP_A:article}(x) \wedge$ $\text{@DBLP_A:cdrom}(x, y)$
5	$\forall x, y \text{ @DBLP_B:pub}(x) \wedge \text{String}(y) \wedge$ $\text{@DBLP_B:url}(x, y) \rightarrow \text{@DBLP_A:article}(x) \wedge$ $\text{@DBLP_A:url}(x, y)$
6	$\forall x, y \text{ @DBLP_B:pub}(x) \wedge \text{@DBLP_B:confJour_year}(y) \wedge \text{String}(z)$ $\text{@DBLP_B:yr}(x, y) \wedge \text{@DBLP_B:jname}(y, z) \rightarrow \exists z \text{@DBLP_A:article}(x) \wedge$ $\text{@DBLP_A:journal}(x, z)$
7	$\forall x, y \text{@DBLP_B:pub}(x) \wedge$ $\text{@DBLP_B:year_confJour}(y) \wedge \text{@DBLP_B:yjname}(x, y)$ $\rightarrow \text{@DBLP_A:article}(x) \wedge \text{@DBLP_A:Year}(y) \wedge \text{@DBLP_A:year}(x, y)$
8	$\forall x, y \text{ @DBLP_B:author_confJour}(x) \wedge$ $\text{@DBLP_B:jname}(x, z) \rightarrow$ $\text{@DBLP_A:article}(x) \wedge \text{@DBLP_A:author}(y) \wedge \text{String}(z)$ $\text{@DBLP_A:article_author}(x, y) \wedge \text{journal}(x, z)$
9	$\forall x, y \text{ @DBLP_B:year_confJour}(x) \wedge \text{String}(y) \wedge$ $\text{@DBLP_B:yjname_title}(x, y) \rightarrow \text{@DBLP_A:conference}(x) \wedge$ $\text{@DBLP_A:title}(x, y)$
10	$\forall x, y \text{ @DBLP_B:author_year}(x) \wedge \text{String}(y) \wedge \text{@DBLP_B:ayr}(x, y) \rightarrow \exists z$ $\text{@DBLP_A:author}(x) \wedge \text{@DBLP_A:article}(z)$ $\wedge \text{@DBLP_A:year}(y) \wedge \text{@DBLP_A:article_author}(x, z) \wedge \text{@DBLP_A:article_author}(y, z)$

Table 2: Mappings From DBLP B To DBLP A Databases