

Index	Rule
1	$\forall x, y @UMD:Person(x) \wedge String(y) \wedge @UMD:name(x, y) \rightarrow @CMU:Person(x) \wedge @CMU:person_name(x, y)$
2	$\forall x, y @UMD:Person(x) \wedge String(y) \wedge @UMD:age(x, y) \rightarrow @CMU:Person(x) \wedge @CMU:age(x, y)$
3	$\forall x, y @UMD:Person(x) \wedge String(y) \wedge @UMD:sex(x, y) \rightarrow @CMU:Person(x) \wedge @CMU:sex(x, y)$
4	$\forall x, y @UMD:Person(x) \wedge String(y) \wedge @UMD:emailAddress(x, y) \rightarrow @CMU:Employee(x) \wedge @CMU:email(x, y)$
5	$\forall x, y @UMD:Person(x) \wedge String(y) \wedge @UMD:title(x, y) \rightarrow @CMU:Employee(x) \wedge @CMU:job - title(x, y)$
6	$\forall x, y @UMD:Person(x) \wedge String(y) \wedge @UMD:workphone(x, y) \rightarrow \exists z @CMU:Office(z) \wedge @CMU:Employee(x) \wedge @CMU:office(x, z) \wedge @CMU:phone(z, y)$
7	$\forall x, y @UMD:Person(x) \wedge @UMD:Organization(y) \wedge @UMD:alumnus(x, y) \rightarrow @CMU:Person(x) \wedge @CMU:Organization(y) \wedge @CMU:has - employee(x, y)$
8	$\forall x, y @UMD:Employee(x) \wedge @UMD:Organization(y) \wedge @UMD:workfor(x, y) \rightarrow @CMU:Person(x) \wedge @CMU:Organization(y) \wedge @CMU:has - employee(x, y)$

Table 1: Mappings From UMD Person to CMU Person Ontologies

Index	Rule
1	$\forall x, y \text{ @CMU:Person}(x) \wedge \text{String}(y) \wedge$ $\text{@CMU:person_name}(x, y) \rightarrow \text{@UMD:Person}(x) \wedge$ $\text{@UMD:name}(x, y)$
2	$\forall x, y \text{ @CMU:Person}(x) \wedge \text{String}(y) \wedge$ $\text{@CMU:age}(x, y) \rightarrow \text{@UMD:Person}(x) \wedge$ $\text{@UMD:age}(x, y)$
3	$\forall x, y \text{ @CMU:Person}(x) \wedge \text{String}(y) \wedge$ $\text{@CMU:sex}(x, y) \rightarrow \text{@UMD:Person}(x) \wedge$ $\text{@UMD:sex}(x, y)$
4	$\forall x, y \text{ @CMU:Person}(x) \wedge \text{String}(y) \wedge$ $\text{@CMU:email}(x, y) \rightarrow \text{@UMD:Employee}(x) \wedge$ $\text{@UMD:emailAddress}(x, y)$
5	$\forall x, y \text{ @CMU:Person}(x) \wedge \text{String}(y) \wedge$ $\text{@CMU:job - title}(x, y) \rightarrow \text{@UMD:Employee}(x) \wedge$ $\text{@UMD:title}(x, y)$
6	$\forall x, y, z \text{ @CMU:Employee}(x) \wedge \text{@CMU:Office}(y) \wedge \text{String}(z) \wedge$ $\text{@CMU:office}(x, y) \wedge \text{@CMU:phone}(y, z) \rightarrow \text{@UMD:Person}(x) \wedge$ $\text{@UMD:workphone}(x, z)$
7	$\forall x, y \text{ @CMU:Person}(x) \wedge \text{@CMU:Organization}(y) \wedge$ $\text{@CMU:has - employee}(x, y) \rightarrow \text{@UMD:Person}(x) \wedge \text{@UMD:Organization}(y) \wedge$ $\text{@UMD:alumnus}(x, y)$
8	$\forall x, y \text{ @CMU:Employee}(x) \wedge \text{@CMU:Organization}(y) \wedge$ $\text{@CMU:has - employee}(x, y) \rightarrow \text{@UMD:Person}(x) \wedge \text{@UMD:Organization}(y) \wedge$ $\text{@UMD:workfor}(x, y)$

Table 2: Mappings From CMU Person to UMD Person Ontologies