Alignment Rule Output:

To align the given Wikibase ontology elements with the Enslaved ontology, we need to identify the corresponding concepts and properties in both ontologies. Based on the provided information, we can establish the following alignments:

1. \*\*Class Alignment:\*\*

- \*\*Wikibase Class `[http://example.org/entity/Q410`](http://example.org/entity/Q410%60) (Person):\*\*

- Aligns with the Enslaved ontology class `Person`, which is a subclass of `Agent`.

2. \*\*Property Alignment:\*\*

- \*\*Wikibase Property `[http://example.org/prop/P73`](http://example.org/prop/P73%60) (hasFirstName):\*\*

- Aligns with the Enslaved ontology property `hasFirstNameAsString`, which is used in the `NameVariant` class.

3. \*\*Class Alignment:\*\*

- \*\*Wikibase Class `[http://wikiba.se/ontology#Statement`:\*\*](http://wikiba.se/ontology#Statement%60:**)

- This class does not have a direct equivalent in the Enslaved ontology based on the provided modules. However, it might be related to records or statements about agents or events.

4. \*\*Class Alignment:\*\*

- \*\*Wikibase Class `[http://wikiba.se/ontology#Reference`:\*\*](http://wikiba.se/ontology#Reference%60:**)

- Aligns with the Enslaved ontology concept of `EntityWithProvenance`, which can have references and provenance information.

5. \*\*Property Alignment:\*\*

- \*\*Wikibase Property `prov:wasDerivedFrom`:\*\*

- Aligns with the Enslaved ontology property `isDirectlyBasedOn`, which is used in the context of `EntityWithProvenance`.

6. \*\*Class Alignment:\*\*

- \*\*Wikibase Class `[http://example.org/entity/Q67`](http://example.org/entity/Q67%60) (EntityWithProvenance):\*\*

- Directly aligns with the Enslaved ontology class `EntityWithProvenance`.

Based on these alignments, the complex ontology alignment rules can be formulated as follows:

### Alignment Rules:

1. \*\*Class Alignment:\*\*

- `[http://example.org/entity/Q410`](http://example.org/entity/Q410%60) ≡ `Person`

2. \*\*Property Alignment:\*\*

- `[http://example.org/prop/P73`](http://example.org/prop/P73%60) ≡ `hasFirstNameAsString`

3. \*\*Class Alignment:\*\*

- `[http://wikiba.se/ontology#Reference`](http://wikiba.se/ontology#Reference%60) ≡ `EntityWithProvenance`

4. \*\*Property Alignment:\*\*

- `prov:wasDerivedFrom` ≡ `isDirectlyBasedOn`

5. \*\*Class Alignment:\*\*

- `[http://example.org/entity/Q67`](http://example.org/entity/Q67%60) ≡ `EntityWithProvenance`

These alignment rules establish a mapping between the concepts and properties in the Wikibase ontology and the Enslaved ontology, facilitating interoperability and data integration between the two ontologies.

To align the given Wikibase ontology elements with the Enslaved ontology, we need to identify the corresponding concepts and properties in both ontologies. Based on the provided information, we can establish the following alignments:

1. \*\*Class Alignment:\*\*

- \*\*Wikibase Class `[http://example.org/entity/Q410`](http://example.org/entity/Q410%60) (Person):\*\*

- Aligns with the Enslaved ontology class `Person`, which is a subclass of `Agent`.

2. \*\*Property Alignment:\*\*

- \*\*Wikibase Property `[http://example.org/prop/P73`](http://example.org/prop/P73%60) (hasFirstName):\*\*

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5. \*\*Property Alignment:\*\*

- \*\*Wikibase Property `prov:wasDerivedFrom`:\*\*

- Aligns with the Enslaved ontology property `isDirectlyBasedOn`, which is used in the context of `EntityWithProvenance`.

6. \*\*Class Alignment:\*\*

- \*\*Wikibase Class `[http://example.org/entity/Q67`](http://example.org/entity/Q67%60) (EntityWithProvenance):\*\*

- Directly aligns with the Enslaved ontology class `EntityWithProvenance`.

Based on these alignments, the complex ontology alignment rules can be formulated as follows:

### Alignment Rules:

1. \*\*Class Alignment:\*\*

- `[http://example.org/entity/Q410`](http://example.org/entity/Q410%60) ≡ `Person`

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3. \*\*Class Alignment:\*\*

- `[http://wikiba.se/ontology#Reference`](http://wikiba.se/ontology#Reference%60) ≡ `EntityWithProvenance`

4. \*\*Property Alignment:\*\*

- `prov:wasDerivedFrom` ≡ `isDirectlyBasedOn`

5. \*\*Class Alignment:\*\*

- `[http://example.org/entity/Q67`](http://example.org/entity/Q67%60) ≡ `EntityWithProvenance`

These alignment rules establish a mapping between the concepts and properties in the Wikibase ontology and the Enslaved ontology, facilitating interoperability and data integration between the two ontologies.

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