## **SWRL to DL**

An ontology contains the following SWRL rules:

```
p(?X, ?Y) -> q(?Y, ?X)
q(?X, ?Y) -> p(?Y, ?X)

p isInverseOf q

Car(?X), hasMaker(?X, ?M), inCountry(?M, Italy) -> ItalianCar(?X) .

Car and hasMaker some (inCountry value Italy) subClassOf ItalianCar

Person(?X), hasChild(?X, ?Y), Person(?Y), hasChild(?X, ?Z), Person(?Z), differentFrom(?Y, ?Z) -> PW2C(?X) .

Person and hasChild min 2 Person subClassOf PW2C
```

## Example:

```
Car(?X), driver(?X, ?D) -> Person(?D) .
can be replaced by
Car subClassOf driver only Person
```