PREFIX

PREFIX rdf: http://www.w3.org/1999/02/22-rdf-syntax-ns#
PREFIX owl: http://www.w3.org/2002/07/owl#
PREFIX rdfs: http://www.w3.org/2000/01/rdf-schema#
PREFIX xsd: http://www.w3.org/2001/XMLSchema#
PREFIX m: http://www.semanticweb.org/lihekun/SANGUO#

1. hasAncestor 有祖先

```
sg:hasAncestor(?a, ?b) -> sqwrl:select(?b, ?a)
```

2. hasVassal 曹操的老婆们

```
sg:Person(sanguo:CaoCao) ^ sg:isSpouseOf(sanguo:CaoCao, ?b) -> sqwrl:select(?b)
```

3. Leader

```
SELECT ?leader ?subordinate
 WHERE {
?leader sg:hasVassal ?subordinate .
 }
```

4. 所有和曹操有关系的人

```
SELECT ?e ?r
 WHERE {
?e ?r sg:CaoCao .
 }
```

5. birthYear

```
SELECT ?v ?y
 WHERE {
?v m:birthYear ?y .
FILTER(?y > 0)
 } ORDER BY ?y
```

6. 姓曹的人

```
SELECT ?name ?birthYear
        WHERE { ?x sg:familyName ?name .
        ?x sg:birthYear ?birthYear .
        FILTER(?name = 'Cao')
 }
```

7. 有儿子的人

```
sanguo:hasChild(?father, ?son) ^ sanguo:isFatherOf(?son, ?c) -> sqwrl:select(?father, ?son)
```

8. 谁是谁的叔叔

sg:hasParent(?a, ?b) ^ sg:hasBrother(?b, ?c) -> sqwrl:select(?a, ?c)

9. 超过一个孩子的人

```
SELECT ?object (COUNT(?child) AS ?c)
        WHERE {
?object sg:hasChild ?child .

} GROUP BY ?object
HAVING (?c > 1)
```

10. 有过1个以上老公的人

sg:Woman(?a) ^ sg:hasSpouse(?a, ?b) . sqwrl:makeSet(?g, ?b) ^ sqwrl:groupBy(?g, ?a) . sqwrl:size(?n, ?g) ^

11. 和曹操有血缘关系又是下属的人

sg:hasVassal(sg:CaoCao, ?x) ^ sg:hasBloodrelation(?x, sg:CaoCao) -> sqwrl:select(?x)

12. 有多个老婆的

sg:Man(?a) ^ sg:hasSpouse(?a, ?b) . sqwrl:makeSet(?g, ?b) ^ sqwrl:groupBy(?g, ?a) . sqwrl:size(?n, ?g) ^ sw

13. 所有的母亲

sg:isMotherOf(?a, ?b) -> sqwrl:select(?a)

14. 谁是谁的爷爷

sg:hasParent(?a, ?b) ^ sg:hasParent(?b, ?c) ^ sg:Man(?c) -> sqwrl:select(?c, ?a)

15. FatherInLaw

sg:hasSpouse(?a, ?b) ^ sg:hasParent(?b, ?p) ^ sg:Man(?p) -> sqwrl:select(?a, ?p)

16. 按年龄排序

```
SELECT ?object ?t
WHERE
{
?object sg:birthYear ?year .
?object sg:dieYear ?die .
BIND (
(?die - ?year) AS ?t
)
} ORDER BY DESC (?t)
```