



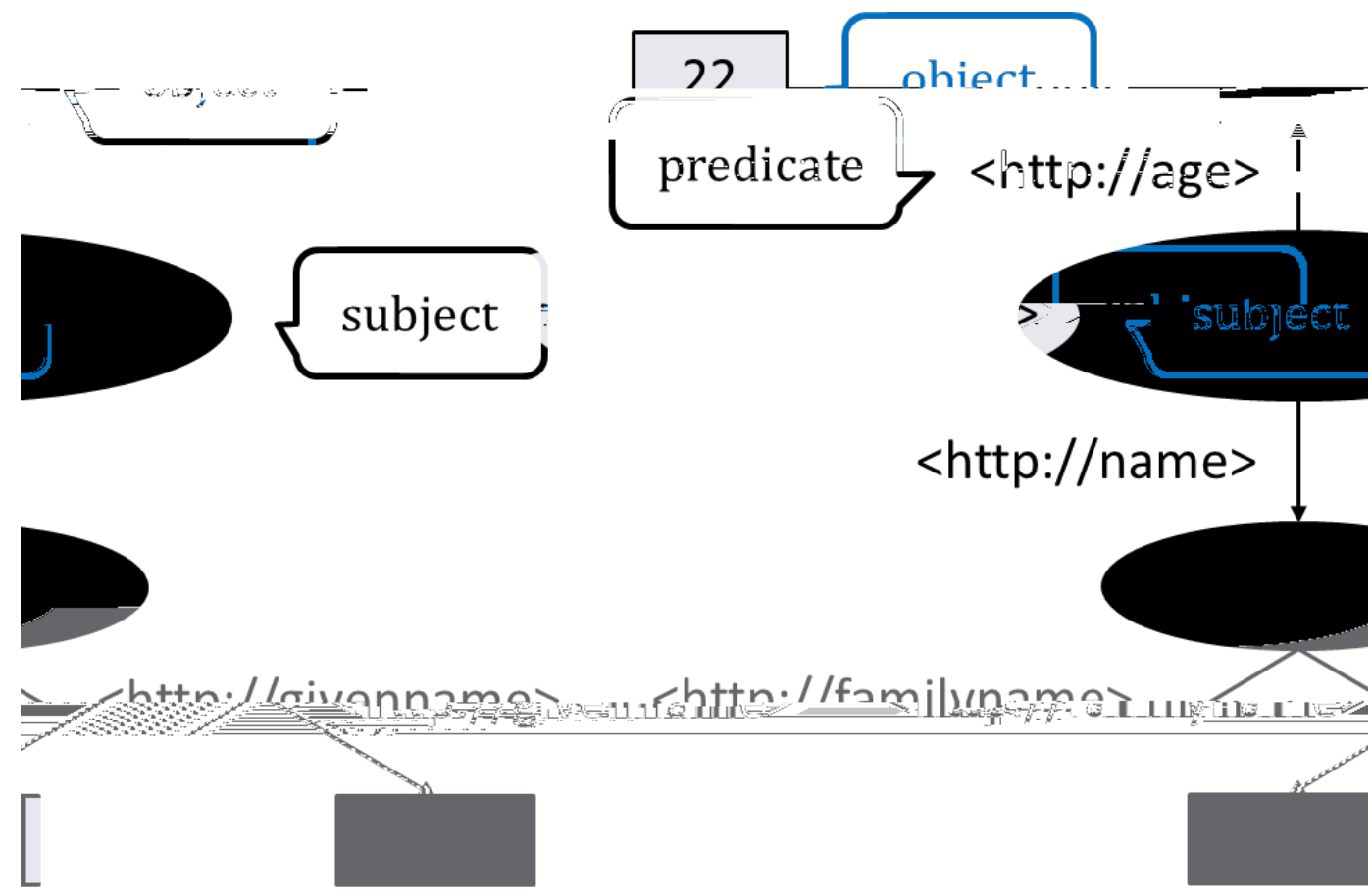
# RDF Graph

## Basic element

**IRIs:** `<http://PeterGreen>` `<http://age>` `<http://name>`,  
`<http://familyname>`, `<http://givenname>`, ...

**Blank nodes:** b1, b2, ...

**Literals:** Green, "Peter", 22, ...

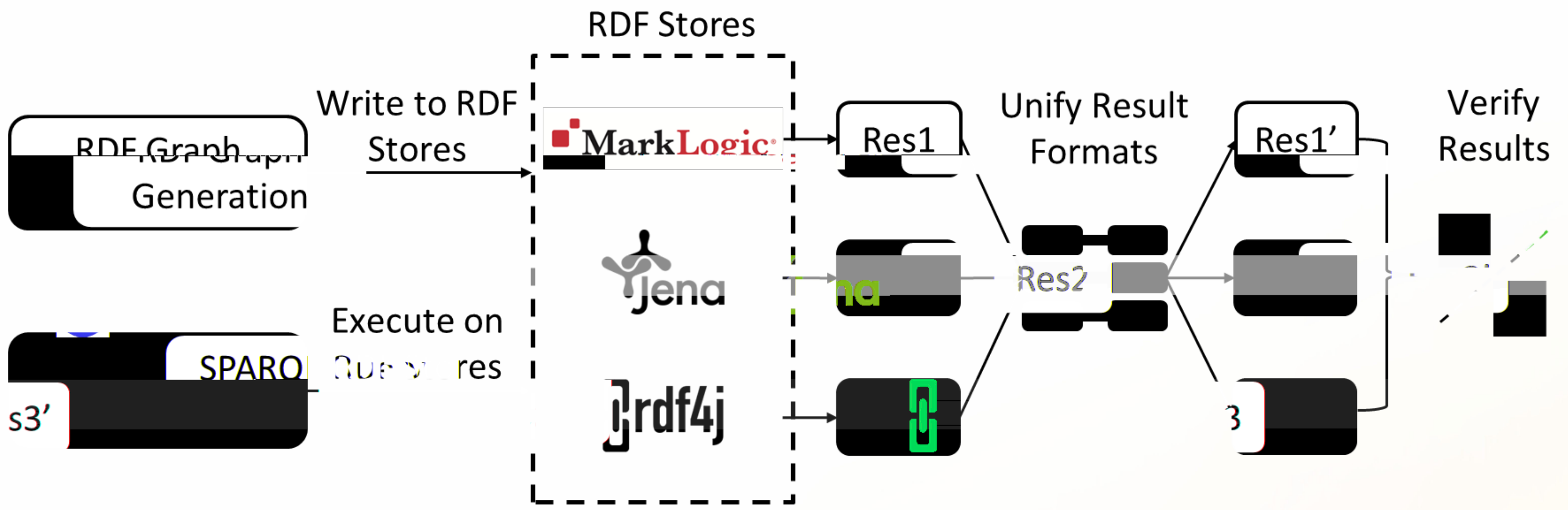


RDF Graph Data `<http://JohnSmith>` `<http://ages>` 12.

SPARQL Query

```
SELECT *
WHERE { ?s ?p ?o .
        FILTER ( 80596426678 * 1719307142 )
}
```

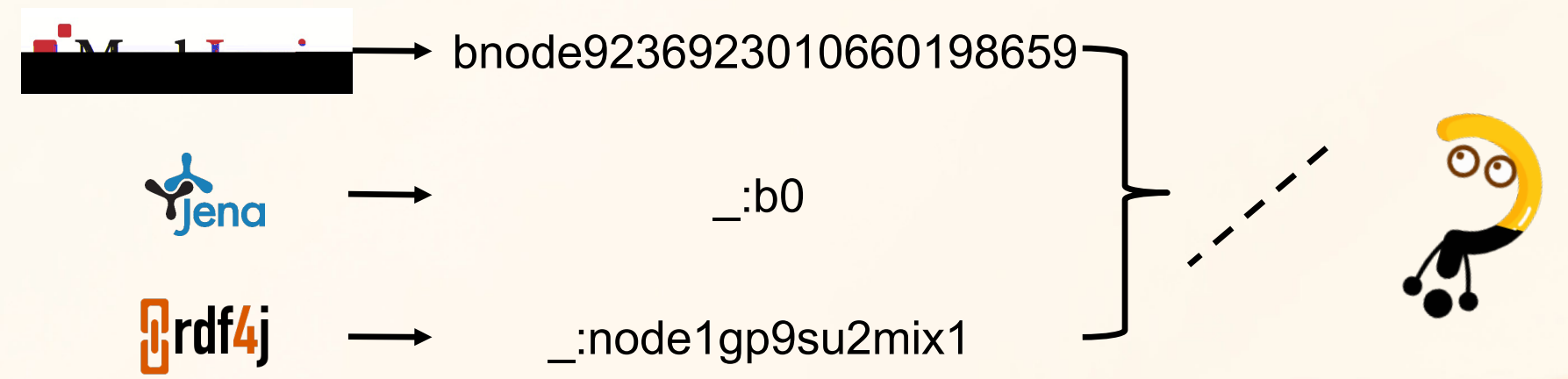
?s	?p	?o
<code>&lt;http://JohnSmith&gt;</code>	<code>&lt;http://ages&gt;</code>	12



```
SELECT ?givenName ?age
WHERE {
  ?person <http://name> ?name .
  ?person <http://age> ?age .
  ?name <http://givenname> ?givenName .
  FILTER ( ! ( ?age = 20 ) )
}
ORDER BY ?givenName
```

```
SELECT ?name
WHERE {
  ?person <http://name> ?name .
}
```

### Query Result



Syntactically correct and valid SPARQL query

Different RDF stores have their own storage and query result formats.

## Differential Testing

MarkLogic actual ID	Jena actual ID	RDF4j actual ID	Unified ID
bnode9236923010660198659	._:b0	._:node1gp9su2mix1	1
bnode11935990903821970957	._:b1	._:node1gp9su2mix2	2
bnode16367137124885678738	._:b2	._:node1gp9su2mix3	3

## Bug Detection Result

RDF Stores	Detected	Confirmed	Intended
MarkLogic	4	1	3
Apache Jena	-	-	-
RDF4j	1	1	-
<b>Total</b>	<b>5</b>	<b>2</b>	<b>3</b>

