Query Execution Optimization for Clients of Triple Pattern Fragments

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OPTIMIZING SCALABLE SPARQL

SPARQL for everyone!

NEW OPTIMIZED FORMULA!

NO MORE WAITING!

Up to 90% off on HTML calls!!!

Local joining

Multiple entry points

On-the-fly plan changes

Estimation based planning

Everything you need to become a European architect!!!

```
SELECT ?person ?city WHERE {
    ?person a :Architect.
}
```

1,200 triples
430,000 triples
57 triples

Original

Optimized

Start with smallest pattern.

Only 1 pattern that can be joined.

Stuck in local optimum.
Forced inefficient join.

Start with smallest pattern.

Only 1 pattern that can be joined.

Detect local optimum.
Create new entry point and join locally.