

Query Stream

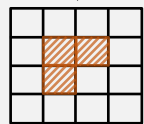
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o d
Query

Speed Profile

Read Needed
SP Data

SSE Model

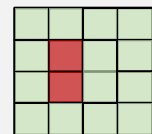


SS Regions

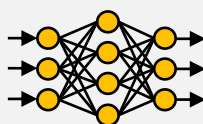
Candidate Path
Generation

Traffic
Prediction
Trigger
Condition

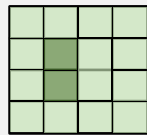
S2: No Outdated SP



S1: Regions with
Outdated SP

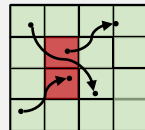


RTSP Model

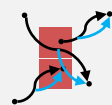


Up-to-date SP

Affected
Queries
Detection



Affected Running
Queries



Re-routing of
Running Queries

Routing Result

Updated Speed Profile

o d
New Query

Repeat
for New
Query