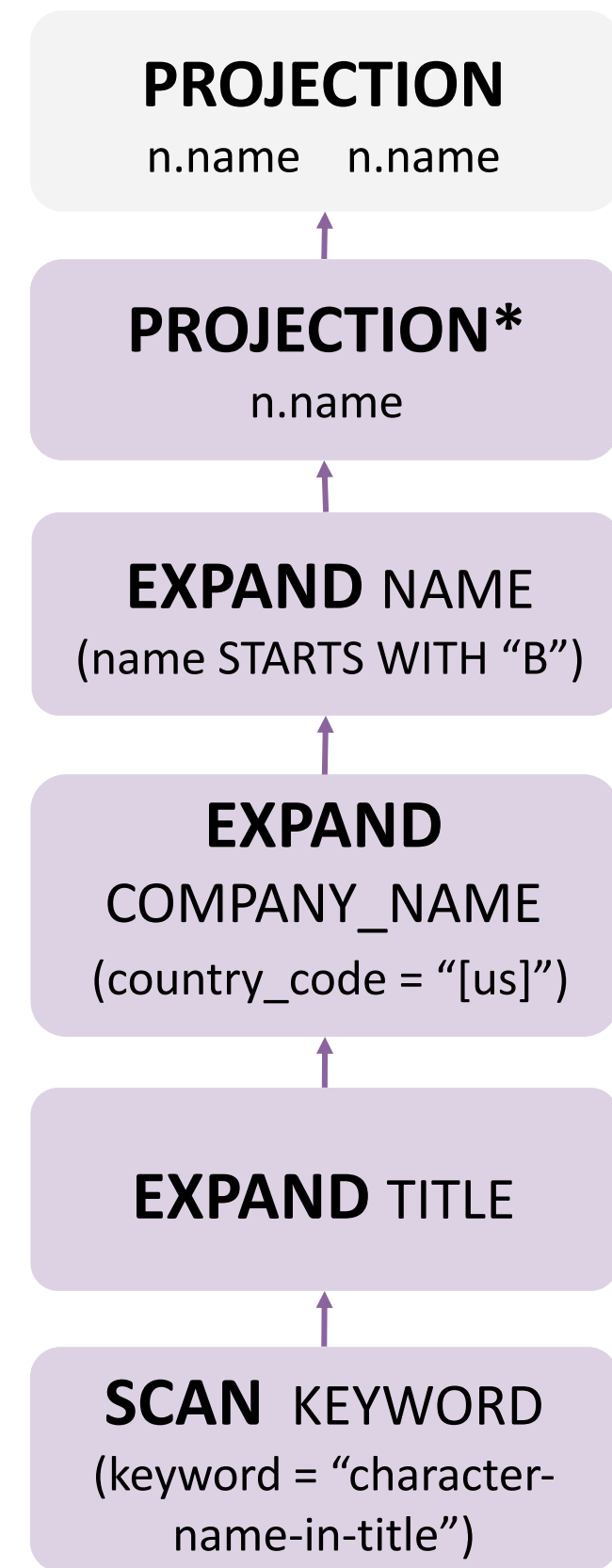


```

SELECT p2_name, place.name
FROM GRAPH_TABLE (G
MATCH
  (p1:Person)-[:Likes]->(m:Message),
  (p2:Person)-[:Likes]->(m:Message),
  (p1)-[:Knows]->(p2)
COLUMNS (
  p1.name AS p1_name,
  p1.place_id AS p1_place_id,
  p2.name AS p2_name
)
) g
JOIN Place p ON g.p1_place_id = p.id
WHERE g.p1_name = 'Tom';

```

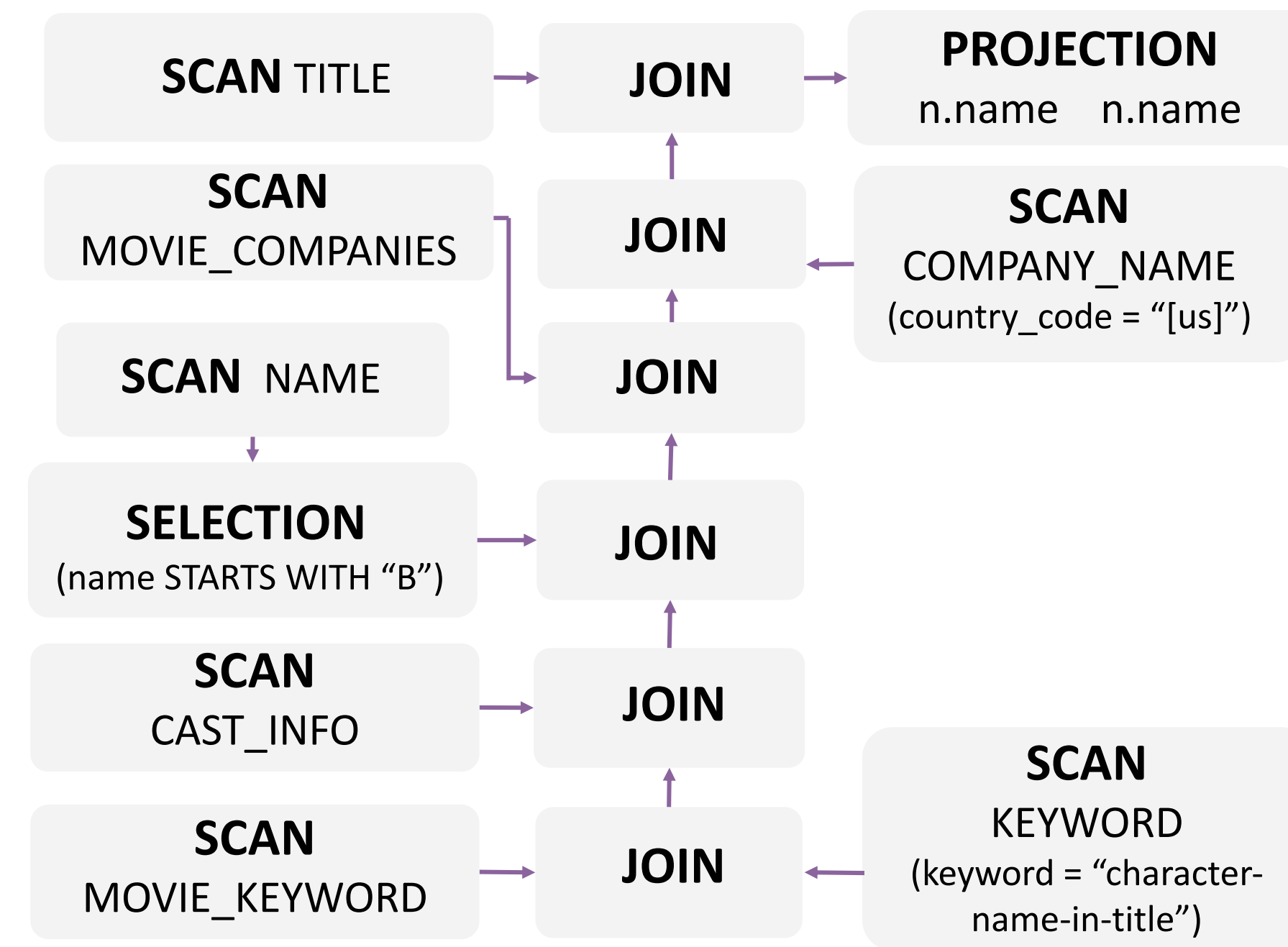
(a) JOB₁₇ query



(b) Query Plan of RelGo



(c) Query Plan of GRainDB



(d) Query Plan of Umbra