

RA with Subqueries

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5:31 PM

- When there's correlated subquery, first do de-correlation or do un-nesting.

e.g. `EXCEPT` \Rightarrow `Not In`
(difference)

↓
Must have the same schema, and can use as to change attribute name

Even when the attributes name are the same, some system will also

count in the relation name.

- Theorem: SQL and RA can express exactly the same class of queries.

RDBMS translate SQL \rightarrow RA, then optimize RA.