Write the following query in TRC:

SELECT DISTINCT employee, director FROM Branch, Workfor WHERE name = branch_name

where there are relations:

Branch(name, city, director, assets)

Workfor(branch_name, employee)

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 $\{P \mid \exists B \in Branch \exists W \in Workfor (B.name = W.branch_name \land P.employee = W.employee \land P.director = B.director) \}$

Write the following query in TRC:

Find the title of the movies directed by "Coen" except those that were made in 1999.

where there is relation:

Write the following query in TRC:

Find the title of the movies directed by "Coen" except those that were made in 1999.

where there is relation:

```
\{P \mid \exists M \in Movie (M.name = 'Coen' \land M.year ≠ 1999 \land P.title = M.title) \}
```

Write the meaning in English of the following query in TRC:

```
\{P \mid \exists \ F1 \in Flights, F2 \in Flights(F1.source = 'SIN' \land F2.destination = 'BKK' ∧ F1.destination = F2.source ∧ P.source = F2.source) \}
```

where there is relation: Flights(source, destination)

Write the meaning in English of the following query in TRC:

```
{P | ∃ F1 ∈ Flights, F2 ∈ Flights(F1.source = 'SIN' \land F2.destination = 'BKK' \land F1.destination = F2.source \land P.source = F2.source) }
```

where there is relation: Flights(source, destination)

Find stopover of flights between Singapore and Bangkok with only one stop over.

Write the following query in DRC:

SELECT DISTINCT employee, director FROM Branch, Workfor WHERE name = branch_name

where there are relations:

Branch(name, city, director, assets)

Workfor(branch_name, employee)

Write the following query in DRC:

SELECT DISTINCT employee, director FROM Branch, Workfor WHERE name = branch_name

where there are relations:

Branch(name, city, director, assets)

Workfor(branch_name, employee)

 $\{\langle E, D \rangle \mid \exists N, C, A (\langle N, C, D, A \rangle \in Branch \land \langle N, E \rangle \in Workfor)\}$

Write the following query in DRC:

Find the title of the movies directed by "Coen" except those that were made in 1999.

where there is relation:

Write the following query in DRC:

Find the title of the movies directed by "Coen" except those that were made in 1999.

where there is relation:

```
{<T> | ∃D, Y, R (<T, D, Y, R> ∈ Movie ∧ D = 'Coen' ∧ Y ≠ 1999)}
```

Write the meaning in English of the following query in DRC:

```
\{<D1, D2> \mid \exists S1, S2, S3, D3 \ (<S1, D1> \in Flights, <S2, D2> \in Flights, <S3, D3> \in Flights \ (S1 = 'AKL' \land D3 = 'SIN' \land D1 = S2 \land D2 = S3) \}
```

where there is relation:

Flights(source, destination)

Write the meaning in English of the following query in DRC:

```
{<D1, D2> | \existsS1, S2, S3, D3 (<S1, D1> \in Flights, <S2, D2> \in Flights, <S3, D3> \in Flights (S1 = 'AKL' \land D3 = 'SIN' \land D1 = S2 \land D2 = S3) }
```

where there is relation: Flights(source, destination)

Find stopovers of flights between Auckland and Singapore with two stop overs.