**Query 4 sem index:**

SELECT D.name\_dependent, E.name\_employee, DE.name\_department

FROM Dependent AS D

INNER JOIN Employee AS E ON E.idt\_dependent = D.idt\_dependent

INNER JOIN Department AS DE ON DE.idt\_department = E.idt\_department

ORDER BY DE.name\_department

Relatório do plano de consulta a partir do comando explain do Postgress:





**query 4 com index:**

CREATE INDEX indiceQuartaQuery

ON Dependent (name\_dependent);

CREATE INDEX indiceQuartaQueryDepartment

ON Department (name\_department);

Relatório do plano de consulta a partir do comando explain do Postgress:



