**Query 2 sem index:**

SELECT COUNT (d.idt\_employee) as qty\_Director, AVG(d.salary) as mean\_salary\_Director,

COUNT (m.idt\_employee) as qty\_Manager, AVG(m.salary) as mean\_salary\_Manager,

COUNT (es.idt\_employee) as qty\_Especialist, AVG(es.salary) as mean\_salary\_Especialist,

COUNT (a.idt\_employee) as qty\_Analyst, AVG(a.salary) as mean\_salary\_Analyst

FROM employee as e

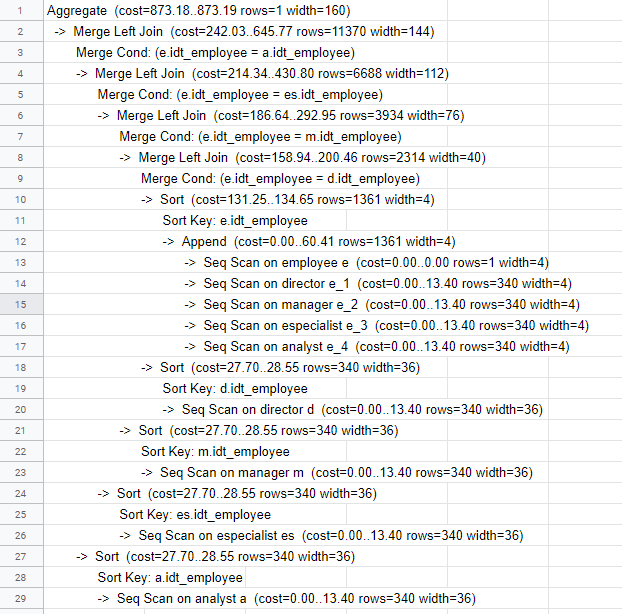
LEFT JOIN director as d ON d.idt\_employee = e.idt\_employee

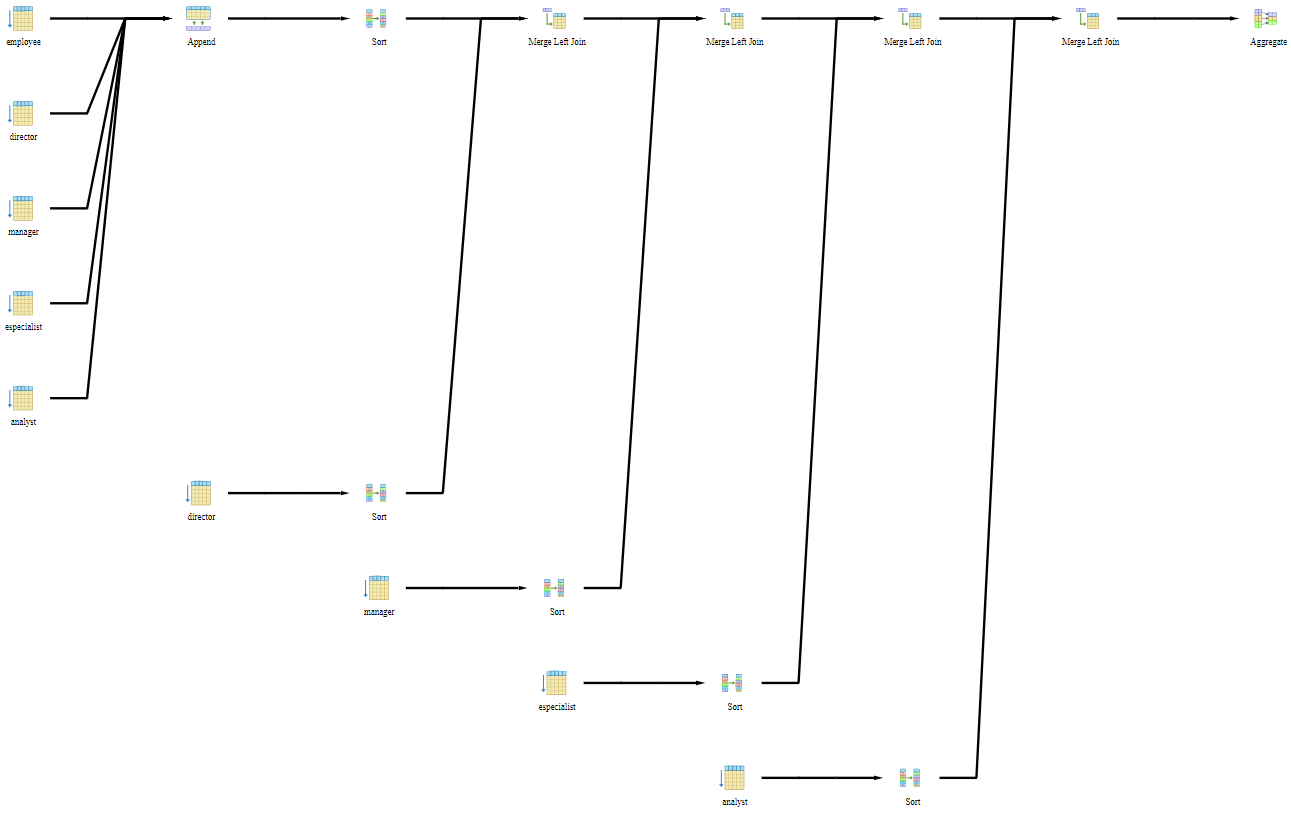
LEFT JOIN manager as m ON m.idt\_employee = e.idt\_employee

LEFT JOIN especialist as es ON es.idt\_employee = e.idt\_employee

LEFT JOIN analyst as a ON a.idt\_employee = e.idt\_employee

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





**query 2 com index:**

CREATE INDEX indicesegundaQuery

ON director (idt\_employee);

CREATE INDEX indicesegundaQueryManager

ON manager (idt\_employee);

CREATE INDEX indicesegundaQueryEspecialist

ON especialist (idt\_employee);

CREATE INDEX indicesegundaQueryAnalyst

ON analyst (idt\_employee);

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

