

ACCESS PATH:

- PLANNING: TABLE ACCESS FULL + FILTER
- COMEDY: TABLE ACCESS FULL + FILTER
- PLAY-ACTOR-IN-COMEDY: TABLE ACCESS FULL
- PLAY-ACTOR: TABLE ACCESS FULL + FILTER

JOIN:

- ① NESTED LOOP (INNER = COMEDY, OUTER = PLANNING)
- ② NESTED LOOP (INNER = PLAY-ACTOR, OUTER = PLAY-ACTOR-IN-COMEDY)
- ③ HASH JOIN

GROUP BY: HASH

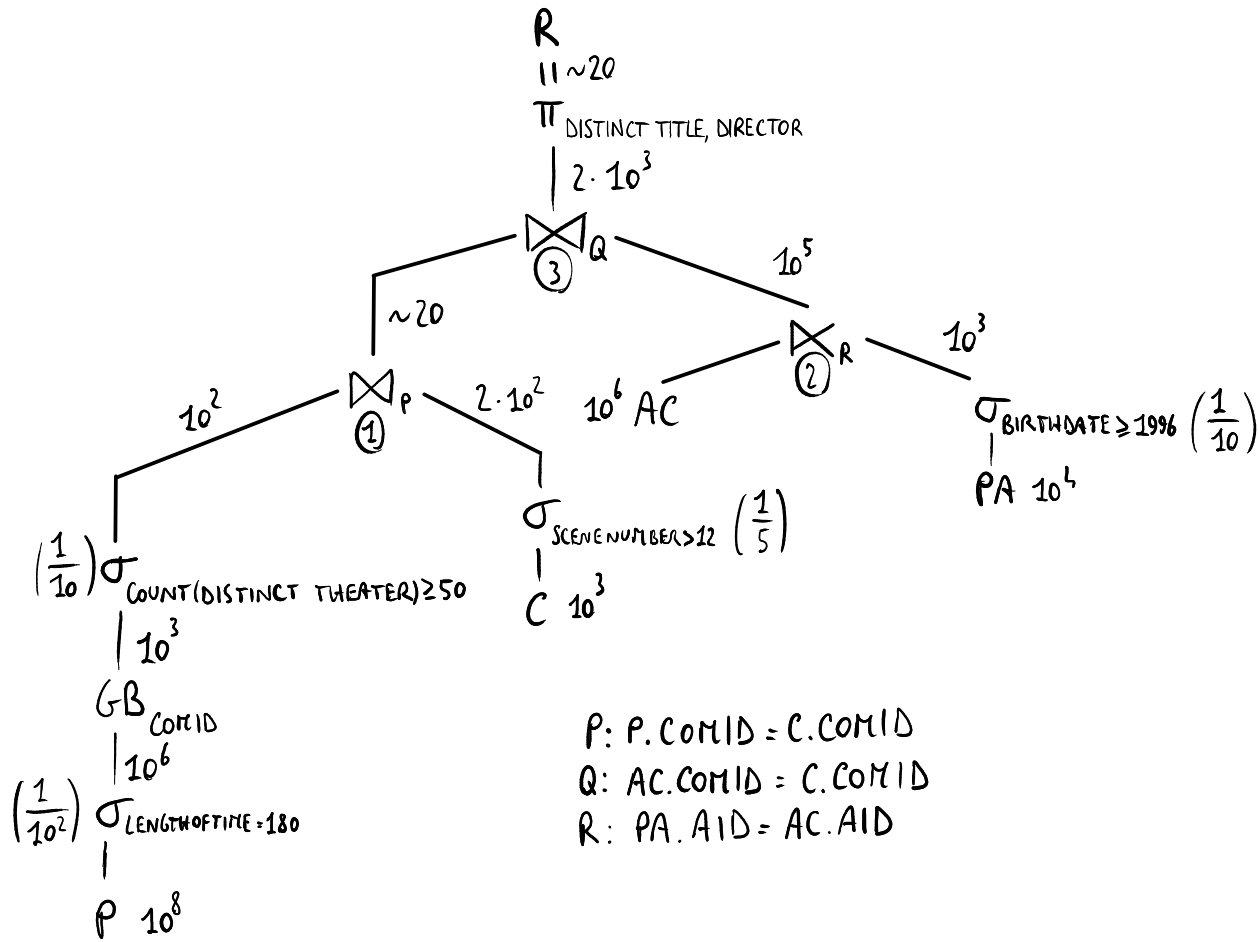
INDEX:

- PLANNING: SECONDARY B⁺-TREE ON LENGTHOFTIME
- PLAY-ACTOR: SECONDARY B⁺-TREE ON BIRTHDATE

ACCESS PATH WITH INDICES:

- PLANNING: INDEX RANGE SCAN + ACCESS BY ROWID
- COMEDY: TABLE ACCESS FULL + FILTER
- PLAY-ACTOR-IN-COMEDY: TABLE ACCESS FULL
- PLAY-ACTOR: INDEX RANGE SCAN + ACCESS BY ROWID

GROUP BY ANTICIPATION:



GROUP BY: HASH

JOIN:

- ① NESTED LOOP (INNER = PLANNING, OUTER = COMEDY)
- ② NESTED LOOP (INNER = PLAY-ACTOR, OUTER = PLAY-ACTOR-IN-COMEDY)
- ③ NESTED LOOP (INNER = LEFT BRANCH, OUTER = RIGHT BRANCH)