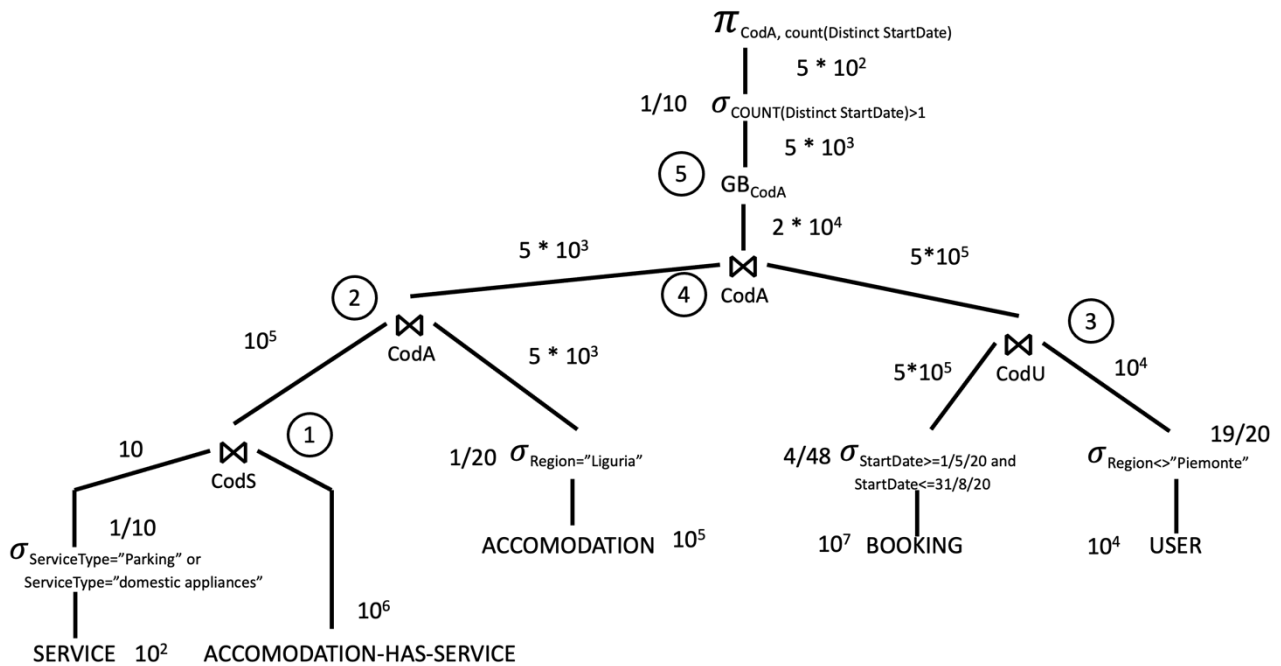


HW3 – Draft solution



Access without indexes

SERVICE: Table access full + filter
 ACCOMODATION-HAS-SERVICE: Table access full
 ACCOMODATION: Table access full + filter
 BOOKING: Table access full + filter
 USER: Table access full + filter

Join an GB types

1. NL
 - INNER: SERVICE
 - OUTER: ACCOMODATION-HAS-SERVICE
2. HJ
3. HJ
4. HJ
5. GB NO HASH

Indexes

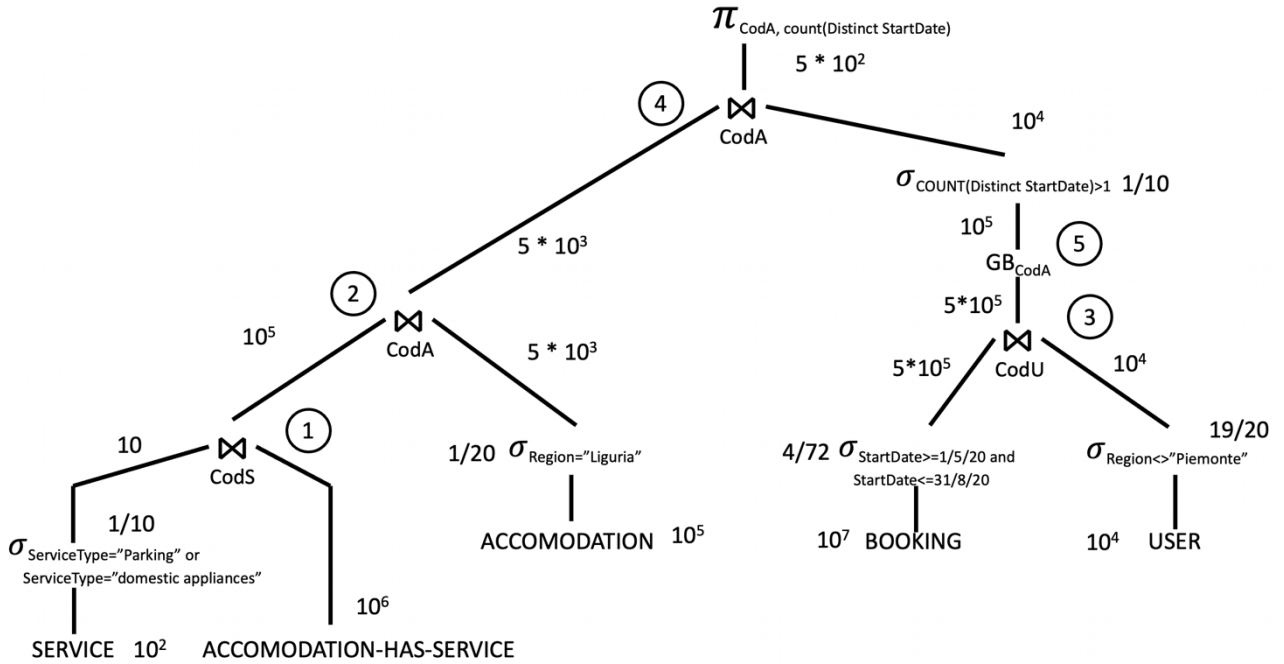
CREATE INDEX Index1 ON BOOKING(StartDate) - B+- Tree
 CREATE INDEX Index2 ON ACCOMODATION(Region) – HASH

Access with indexes

SERVICE: Table access full + filter

ACCOMODATION-HAS-SERVICE: Table access full
 ACCOMODATION: Index range scan + access by rowid
 BOOKING: Index range scan + access by rowid
 USER: Table access full + filter

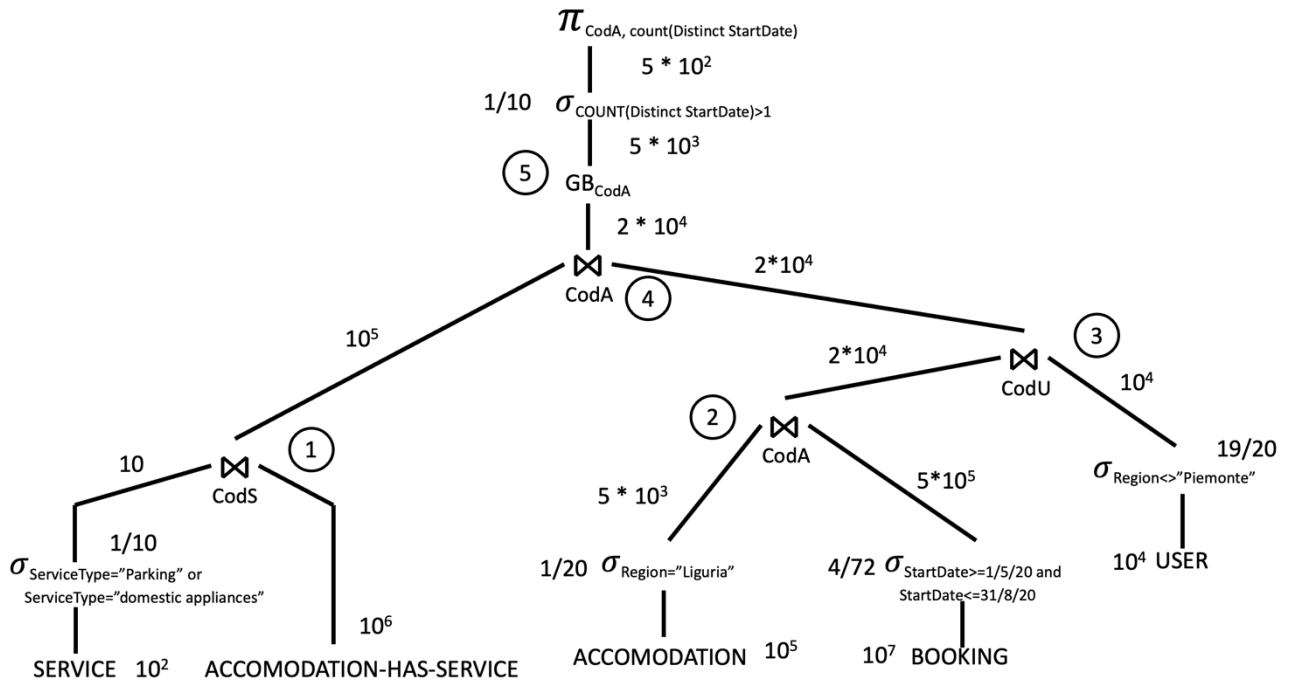
GROUP BY Anticipation



Join and GB types

- 4. HJ
- 5. GB HASH

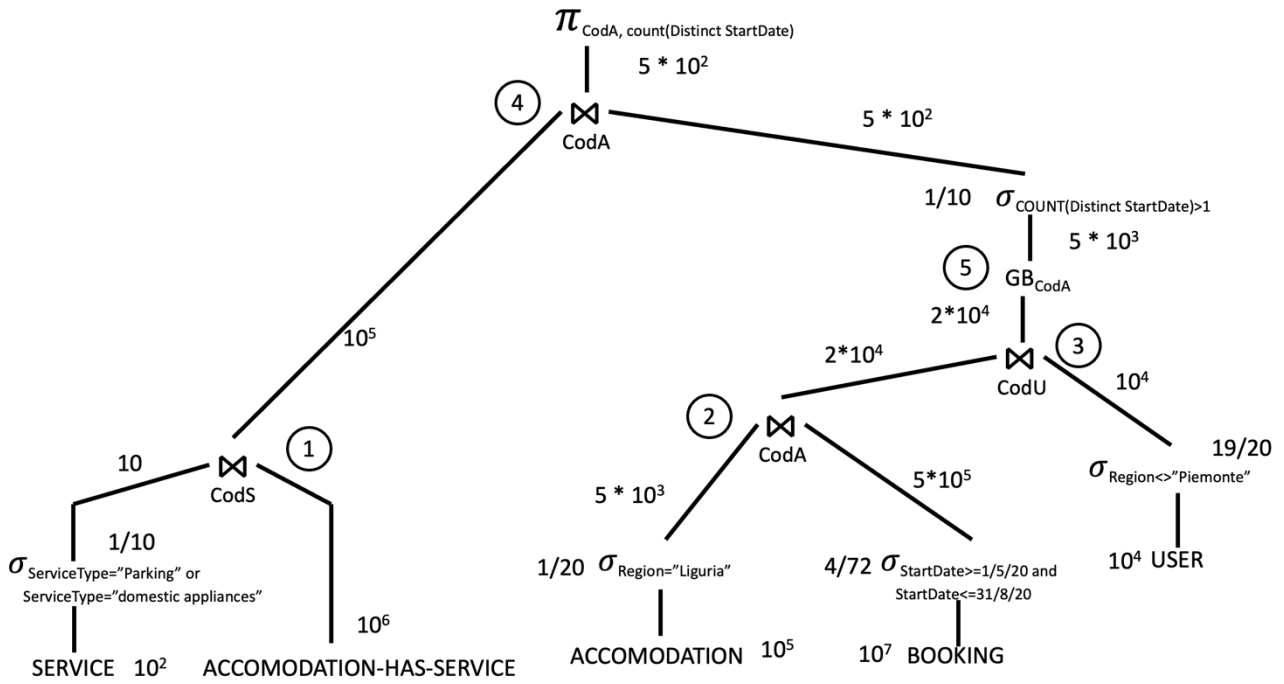
Different join order (sol1)



Join an GB types

1. NL
 - INNER: SERVICE
 - OUTER: ACCOMODATION-HAS-SERVICE
2. HJ
3. HJ
4. HJ
5. GB NO HASH

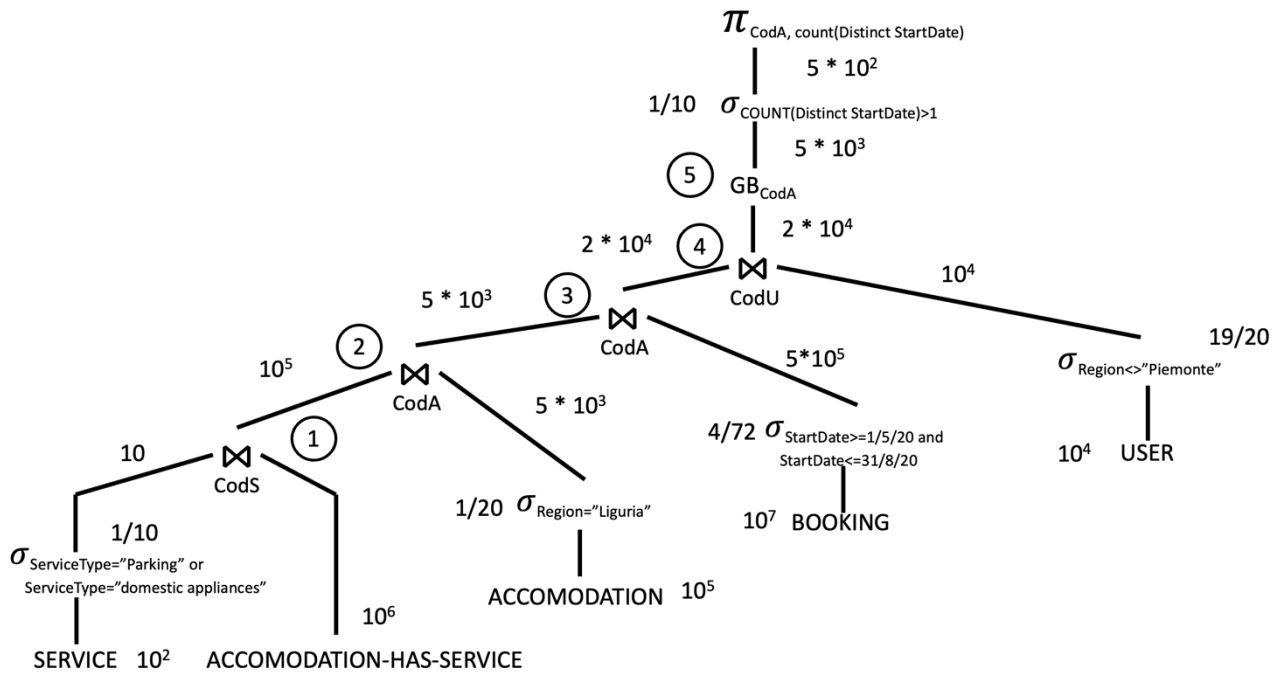
GROUP BY Anticipation



Join and GB types

- 4. HJ
- 5. GB HASH

Different join order (sol2)



Join an GB types

1. NL
 - INNER: SERVICE
 - OUTER: ACCOMODATION-HAS-SERVICE
2. HJ
3. HJ
4. HJ
5. GB HASH

GROUP BY Anticipation

It is not possible.