



INSTITUTO SUPERIOR TÉCNICO

ENGENHARIA ELECTROTÉCNICA E DE COMPUTADORES

SIBD PROJECT - PART 3

GROUP 36

DIOGO RIBEIRO - 90051 - 12 HOURS OF WORK (33.(3)%)

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Indexes

7.1

For the first given query, both B-Tree and Hash indexes are going to be implemented. The B-Tree is chosen for the field *year* as it is going to perform better when asked to find ranging values. On the other hand, for the field *country.name* it is better to use an Hash indexing once it is asked to find an equal condition.

7.2

In this query, the approach will be similar to the previous one. The *start_date* field is going to be indexed using B-Tree once it trying to find values within a range. For the LIKE statement, the B-Tree index is the one that will perform better. Having said that, the index used in the *location.name* in this query is the B-Tree.