Task 3 (3 marks)

An objective of this task is to interpret a query processing plan created by a query optimizer and to draw a syntax tree of a query processing plan

Consider the following fragment of query processing plan.

Id	Operation		Name		Rows	 	Bytes	Cost	(%CPU)	Time	-
0 * 1 * 2 * 3 * 4	SELECT STATEMENT HASH JOIN ANTI HASH JOIN TABLE ACCESS FULL TABLE ACCESS FULL	Ŀİ	NATION CUSTOMER ORDERS		819 819 4418 3 36818 450K		151K 151K 776K 81 5501K 3955K	3100 3100 402 12 390 2697	(1) (1) (0) (1)	00:00:01 00:00:01 00:00:01 00:00:01 00:00:01 00:00:01	

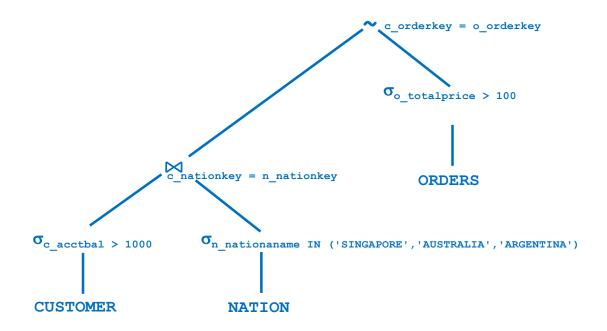
Predicate Information (identified by operation id):

Find and draw a syntax tree of the query processing plan listed above. To draw a syntax tree, use the relational algebra operations explained during the lecture classes. Assume that the operations HASH JOIN and HASH JOIN ANTI used in a query processing plan is the same as the operations of join and antijoin in the relational algebra. Please remember, that you must create a syntax tree with the relational algebra operations explained to you during the lecture classes and NOT with the implementations of such operations by Oracle database system. Save a drawing of a syntax tree in a file solution3.pdf.

Deliverables

A file solution3.pdf with a drawing of syntax tree of the given query processing plan. A syntax tree must use the relational algebra operations explained to you during the lecture classes. You are allowed to use any line drawing tool to draw a syntax tree. A scanned/photographed copy of a neat hand drawing is also acceptable.

Solution



End of sample solution