

These questions complement class discussion of the paper describing *AQuery*¹ and Graefe's survey.²

1. List the members of your group below. Underline your name.

2. Recall the *best-profit* and *packet-grouping* queries (Section 1.1) discussed earlier. Provide standard SQL (or closest possible) expressions of those queries.

¹Alberto Lerner and Dennis Shasha, "AQuery: Query Language for Ordered Data, Optimization Techniques, and Experiments," in *Proceedings of the 29th International Conference on Very Large Data Bases (VLDB)* (Berlin, Germany, 2003).

²Goetz Graefe, "Query evaluation techniques for large databases," *ACM Computing Surveys* 25/2 (1993).

3. Provide likely logical and physical query plans for the queries of Question 2 and estimate the query performance by making and listing reasonable assumptions, drawing appropriate connections with the material in Graefe's survey.

[additional space for answering the earlier question]

4. Determine the most profitable indexes for each of the earlier queries. Make and state appropriate assumptions.