21 – Plan Stitch: Harnessing the Best of Many Plans

1. Overview of Idea
    Reversion-Based Plan Correction technique can ignore valuable
    information of unselected plans. RBPC can be better by integrating
    these valuable information into a new query plan. using AND-OR graph
    and some heuristics, the performance of query execution can be
    improved.

2. Main Finding

    Plan Stitch has better performance and applicability than RBPC, even if
    there are some data changes and parametric queries.

3. Systems used and its Specifications
    Microsoft SQL Server is used as DBMS. they implemented Plan Stitch
    program explicitly. Plan Stitch is implemented with C#.

4. Workloads evaluated
    TPC-DS and 3 real world customer workloads are used.