CS660 PA4

1.Description

`estimateJoinCost()`

- estimate cost of Block Nested Loop Join, as cost1 + block of left* cost2 + card1*card2;
- use j to find tuple size, and block size is 131072;

`estimateTableJoinCardinality()`

- determine based on whether it is a primary key;
- choose selectivity factor of 0.3;

`orderJoins()`

- first find best plan for single join, then for two joins, etc;
- for each subset s of joins, find best plan for s but with one relation missing, and then extend to s by join the missing one;

2. No change to the API.

3. Complete all requirements of PA4.

4. Totally spend about 4 hours on this lab.