# 远程计算相关问题

## total函数的问题

### 集算器版本：

基于20230521版本

后面 你们那边团队反馈这个有bug ，没法马上进行更新 于是我们之间拉取你们的源码 用master进行重新打包

### spl脚本

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| --- |
| ==now()  =days@o(date("1995-03-15")) ="1995-03-15"  />mktsegment=c\_mktsegment.pos@b("BUILDING")  =file("/data/soft/esProc/file/SPLTPCH1G/CUSTOMER.ctx").open().cursor@m(C\_CUSTKEY;).fetch().keys@im(C\_CUSTKEY) /=file("customer.ctx").open().cursor@m(C\_CUSTKEY;C\_MKTSEGMENT==mktsegment).fetch().keys@im(C\_CUSTKEY)  =file("/data/soft/esProc/file/SPLTPCH1G/ORDERS.ctx").open().cursor@m(O\_ORDERKEY,O\_ORDERDATE,O\_SHIPPRIORITY;O\_ORDERDATE<B2 && A4.find(O\_CUSTKEY)) /=file("orders.ctx").open().cursor@m(O\_ORDERKEY,O\_ORDERDATE,O\_SHIPPRIORITY;O\_ORDERDATE<A2 && A4.find(O\_CUSTKEY))  =file("/data/soft/esProc/file/SPLTPCH1G/LINEITEM.ctx").open().news@r(A5,O\_ORDERKEY,sum(L\_EXTENDEDPRICE\*(1-L\_DISCOUNT)):revenue,O\_ORDERDATE,O\_SHIPPRIORITY;L\_SHIPDATE>B2)  =A6.total(A6.fetch().top(10;-revenue,O\_ORDERDATE))  /=A7.run(O\_ORDERDATE=O\_ORDERDATE)  return A7 |

计算 tpch q3 对应sql语句

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| --- |
| select  l\_orderkey,  sum(l\_extendedprice\*(1-l\_discount)) as revenue, //潜在的收入，聚集操作  o\_orderdate,  o\_shippriority  from  customer, orders, lineitem //三表连接  where  c\_mktsegment = '[SEGMENT]' //在TPC-H标准指定的范围内随机选择  and c\_custkey = o\_custkey  and l\_orderkey = o\_orderkey  and o\_orderdate < date '[DATE]' //指定日期段，在在[1995-03-01, 1995-03-31]中随机选择  and l\_shipdate > date '[DATE]'  group by //分组操作  l\_orderkey, //订单标识  o\_orderdate, //订单日期  o\_shippriority //运输优先级  order by //排序操作  revenue desc, //降序排序，把潜在最大收入列在前面  o\_orderdate; |

本地计算有正常数据返回

远程计算报错：

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| aused by: com.scudata.common.RQException: Error in cell A7  null  at com.scudata.thread.Job.join(Job.java:31)  at com.scudata.dm.cursor.MultipathCursors.groups(MultipathCursors.java:376)  at com.scudata.dm.cursor.MultipathCursors.groups(MultipathCursors.java:476)  at com.scudata.dm.cursor.ICursor.total(ICursor.java:1203)  at com.scudata.expression.mfn.cursor.Total.calculate(Total.java:24)  at com.scudata.expression.operator.DotOperator.calculate(DotOperator.java:86)  at com.scudata.expression.Expression.calculate(Expression.java:160)  at com.scudata.cellset.datamodel.PgmNormalCell.calculate(PgmNormalCell.java:159)  at com.scudata.cellset.datamodel.PgmCellSet.runNext2(PgmCellSet.java:1949)  at com.scudata.cellset.datamodel.PgmCellSet.execute(PgmCellSet.java:2623)  at com.scudata.cellset.datamodel.PgmCellSet.calculateResult(PgmCellSet.java:2666)  at com.scudata.app.common.AppUtil.execute(AppUtil.java:306)  at com.esproc.jdbc.JDBCUtil.execute(JDBCUtil.java:169)  at com.esproc.jdbc.JDBCUtil.execute(JDBCUtil.java:94)  at com.scudata.server.unit.JdbcTask$1.run(JdbcTask.java:112)  Caused by: java.lang.NullPointerException: null  at com.scudata.dw.JoinCursor.loadBlock(JoinCursor.java:595)  at com.scudata.dw.JoinCursor.getDataForNews(JoinCursor.java:2156)  at com.scudata.dw.JoinCursor.getForNews(JoinCursor.java:1637)  at com.scudata.dw.JoinCursor.get(JoinCursor.java:686)  at com.scudata.dm.cursor.ICursor.fuzzyGet(ICursor.java:975)  at com.scudata.dm.cursor.ICursor.fuzzyFetch(ICursor.java:276)  at com.scudata.dm.op.GroupsResult.push(GroupsResult.java:443)  at com.scudata.thread.GroupsJob.run(GroupsJob.java:78)  at com.scudata.thread.ThreadPool$WorkThread.run(ThreadPool.java:57) |