

Begin selectivity computation

Input tree:

LogOp_Select

CStCollBaseTable(ID=2, CARD=2.00511e+006 TBL: Schema1.Table1 AS TBL: A)

ScaOp_Logical x_lopAnd

ScaOp_Comp x_cmpGe

ScaOp_Identifier QCOL: [Object3].Column53

ScaOp_Identifier COL: Variable1

ScaOp_Logical x_lopOr

ScaOp_Comp x_cmpIs

ScaOp_Identifier QCOL: [Object3].Column12

ScaOp_Const TI(datetime,Null,ML=8) XVAR(datetime,Not Owned,Value=NULL)

ScaOp_Comp x_cmpLt

ScaOp_Identifier QCOL: [Object3].Column12

ScaOp_Identifier COL: Variable2

ScaOp_Comp x_cmpEq

ScaOp_Identifier QCOL: [Object3].Column54

ScaOp_Const TI(tinyint,ML=1) XVAR(tinyint,Not Owned,Value=0)

Plan for computation:

CSelCalcCombineFilters_ExponentialBackoff (AND)

CSelCalcColumnInInterval

Column: QCOL: [Object3].Column12

CSELCalcColumnInInterval

Column: QCOL: [Object3].Column53

CSELCalcColumnInInterval

Column: QCOL: [Object3].Column54

Loaded histogram for column QCOL: [Object3].Column12 from stats with id 6

Loaded histogram for column QCOL: [Object3].Column53 from stats with id 1

Loaded histogram for column QCOL: [Object3].Column54 from stats with id 8

Selectivity: 0.0539672

Stats collection generated:

CStCollFilter(ID=3, CARD=108210)

CStCollBaseTable(ID=2, CARD=2.00511e+006 TBL: Schema1.Table1 AS TBL: A)

End selectivity computation

Begin selectivity computation

Input tree:

LogOp_LeftSemiJoin

CStCollBaseTable(ID=1, CARD=5.01133e+007 TBL: Schema1.Table2 AS TBL: AA)

CStCollFilter(ID=3, CARD=108210)

CStCollBaseTable(ID=2, CARD=2.00511e+006 TBL: Schema1.Table1 AS TBL: A)

ScaOp_Comp x_cmpEq

ScaOp_Identifier QCOL: [Object1].Column1

ScaOp_Identifier QCOL: [Object3].Column18

Plan for computation:

CSelCalcExpressionComparedToExpression(QCOL: [Object1].Column1 x_cmpEq QCOL:
[Object3].Column18)

Loaded histogram for column QCOL: [Object1].Column1 from stats with id 1 *** WARNING:
badly-formed histogram ***

Loaded histogram for column QCOL: [Object3].Column18 from stats with id 9

Selectivity: 1.07973e-009

Stats collection generated:

CStCollJoin(ID=4, CARD=1 x_jtLeftSemi)

CStCollBaseTable(ID=1, CARD=5.01133e+007 TBL: Schema1.Table2 AS TBL: AA)

CStCollFilter(ID=3, CARD=108210)

CStCollBaseTable(ID=2, CARD=2.00511e+006 TBL: Schema1.Table1 AS TBL: A)

End selectivity computation

Begin distinct values computation

Input tree:

LogOp_GbAgg OUT(QCOL: [Object3].Column18,) BY(QCOL: [Object3].Column18,)

CStCollFilter(ID=3, CARD=108210)

CStCollBaseTable(ID=2, CARD=2.00511e+006 TBL: Schema1.Table1 AS TBL: A)

AncOp_PrjList

Plan for computation:

CDVCPlanFilter

Overriding 0 columns

CDVCPlanLeaf

0 Multi-Column Stats, 1 Single-Column Stats, 0 Guesses

Using ambient cardinality 108210 to combine distinct counts:

108135

Combined distinct count: 108135

Using ambient cardinality 108210 to combine distinct counts:

108135

Combined distinct count: 108135

Result of computation: 108135

Stats collection generated:

CStCollGroupBy(ID=5, CARD=108135)

CStCollFilter(ID=3, CARD=108210)

CStCollBaseTable(ID=2, CARD=2.00511e+006 TBL: Schema1.Table1 AS TBL: A)

End distinct values computation

Begin selectivity computation

Input tree:

LogOp_Join

CStCollBaseTable(ID=1, CARD=5.01133e+007 TBL: Schema1.Table2 AS TBL: AA)

CStCollGroupBy(ID=5, CARD=108135)

CStCollFilter(ID=3, CARD=108210)

CStCollBaseTable(ID=2, CARD=2.00511e+006 TBL: Schema1.Table1 AS TBL: A)

ScaOp_Comp x_cmpEq

ScaOp_Identifier QCOL: [Object1].Column1

ScaOp_Identifier QCOL: [Object3].Column18

Plan for computation:

CSELCalcExpressionComparedToExpression(QCOL: [Object1].Column1 x_cmpEq QCOL:
[Object3].Column18)

Selectivity: 9.985e-015

Stats collection generated:

CStCollJoin(ID=6, CARD=1 x_jtInner)

CStCollBaseTable(ID=1, CARD=5.01133e+007 TBL: Schema1.Table2 AS TBL: AA)

CStCollGroupBy(ID=5, CARD=108135)

CStCollFilter(ID=3, CARD=108210)

CStCollBaseTable(ID=2, CARD=2.00511e+006 TBL: Schema1.Table1 AS TBL: A)

End selectivity computation

Begin distinct values computation

Input tree:

LogOp_GbAgg<local> OUT(QCOL: [Object3].Column18,) BY(QCOL: [Object3].Column18,)

CStCollFilter(ID=3, CARD=108210)

CStCollBaseTable(ID=2, CARD=2.00511e+006 TBL: Schema1.Table1 AS TBL: A)

AncOp_PrjList

Plan for computation:

CDVCPlanFilter

Overriding 0 columns

CDVCPlanLeaf

0 Multi-Column Stats, 1 Single-Column Stats, 0 Guesses

Using ambient cardinality 108210 to combine distinct counts:

108135

Combined distinct count: 108135

Using ambient cardinality 108210 to combine distinct counts:

108135

Combined distinct count: 108135

Result of computation: 108135

After adjustment for parallelism: 108135

Stats collection generated:

CStCollGroupBy(ID=7, CARD=108135)

CStCollFilter(ID=3, CARD=108210)

CStCollBaseTable(ID=2, CARD=2.00511e+006 TBL: Schema1.Table1 AS TBL: A)

End distinct values computation

Begin selectivity computation

Input tree:

LogOp_Join

CStCollBaseTable(ID=1, CARD=5.01133e+007 TBL: Schema1.Table2 AS TBL: AA)

CStCollFilter(ID=3, CARD=108210)

CStCollBaseTable(ID=2, CARD=2.00511e+006 TBL: Schema1.Table1 AS TBL: A)

ScaOp_Comp x_cmpEq

ScaOp_Identifier QCOL: [Object1].Column1

ScaOp_Identifier QCOL: [Object3].Column18

Plan for computation:

CSELCalcExpressionComparedToExpression(QCOL: [Object1].Column1 x_cmpEq QCOL: [Object3].Column18)

Selectivity: 9.98232e-015

Stats collection generated:

CStCollJoin(ID=8, CARD=1 x_jtInner)

CStCollBaseTable(ID=1, CARD=5.01133e+007 TBL: Schema1.Table2 AS TBL: AA)

CStCollFilter(ID=3, CARD=108210)

CStCollBaseTable(ID=2, CARD=2.00511e+006 TBL: Schema1.Table1 AS TBL: A)

End selectivity computation

Begin distinct values computation

Input tree:

LogOp_GbAgg<local> OUT(QCOL: [Object1].Column1, COL: IsBaseRow1000 , QCOL: [Object1].Column2, QCOL: [Object1].Column3, QCOL: [Object1].Column4, ...) BY(QCOL: [Object1].Column1,)

CStCollJoin(ID=8, CARD=1 x_jtInner)

CStCollBaseTable(ID=1, CARD=5.01133e+007 TBL: Schema1.Table2 AS TBL: AA)

CStCollFilter(ID=3, CARD=108210)

CStCollBaseTable(ID=2, CARD=2.00511e+006 TBL: Schema1.Table1 AS TBL: A)

AncOp_PrjList

Plan for computation:

CDVCPlanJoin

Plan for non-join columns (Left)

CDVCPlanUniqueKey

Result of computation: 1

After adjustment for parallelism: 1

Stats collection generated:

CStCollGroupBy(ID=9, CARD=1)

CStCollJoin(ID=8, CARD=1 x_jtInner)

CStCollBaseTable(ID=1, CARD=5.01133e+007 TBL: Schema1.Table2 AS TBL: AA)

CStCollFilter(ID=3, CARD=108210)

CStCollBaseTable(ID=2, CARD=2.00511e+006 TBL: Schema1.Table1 AS TBL: A)

End distinct values computation

Begin selectivity computation

Input tree:

LogOp_Select

CStCollGroupBy(ID=7, CARD=108135)

CStCollFilter(ID=3, CARD=108210)

CStCollBaseTable(ID=2, CARD=2.00511e+006 TBL: Schema1.Table1 AS TBL: A)

ScaOp_Comp x_cmpEq

ScaOp_Identifier QCOL: [Object1].Column1

ScaOp_Identifier QCOL: [Object3].Column18

Plan for computation:

CSelCalcHistogramComparison(POINT PREDICATE)

Selectivity: 4.99334e-007

Stats collection generated:

CStCollFilter(ID=10, CARD=1)

CStCollGroupBy(ID=7, CARD=108135)

CStCollFilter(ID=3, CARD=108210)

CStCollBaseTable(ID=2, CARD=2.00511e+006 TBL: Schema1.Table1 AS TBL: A)

End selectivity computation

Begin selectivity computation

Input tree:

LogOp_Join

CStCollBaseTable(ID=2, CARD=2.00511e+006 TBL: Schema1.Table1 AS TBL: A)

CStCollBaseTable(ID=1, CARD=5.01133e+007 TBL: Schema1.Table2 AS TBL: AA)

ScaOp_Comp x_cmpGe

ScaOp_Identifier QCOL: [Object3].Column53

ScaOp_Identifier COL: Variable1

Plan for computation:

CSelCalcOneSided (LEFT)

CSelCalcColumnInInterval

Column: QCOL: [Object3].Column53

Selectivity: 0.0546954

Stats collection generated:

CStCollJoin(ID=13, CARD=5.49594e+012 x_jtInner)

CStCollFilter(ID=12, CARD=109670)

CStCollBaseTable(ID=2, CARD=2.00511e+006 TBL: Schema1.Table1 AS TBL: A)

CStCollBaseTable(ID=1, CARD=5.01133e+007 TBL: Schema1.Table2 AS TBL: AA)

End selectivity computation

Estimating distinct count in utility function

Input stats collection:

CStCollBaseTable(ID=2, CARD=2.00511e+006 TBL: Schema1.Table1 AS TBL: A)

Columns to distinct on:QCOL: [Object3].Column18

Plan for computation:

CDVCPlanLeaf

0 Multi-Column Stats, 1 Single-Column Stats, 0 Guesses

Using ambient cardinality 2.00511e+006 to combine distinct counts:

2.00267e+006

Combined distinct count: 2.00267e+006

Result of computation: 2.00267e+006

Estimating distinct count in utility function

Input stats collection:

CStCollBaseTable(ID=2, CARD=2.00511e+006 TBL: Schema1.Table1 AS TBL: A)

Columns to distinct on:QCOL: [Object3].Column54

Plan for computation:

CDVCPlanLeaf

0 Multi-Column Stats, 1 Single-Column Stats, 0 Guesses

Using ambient cardinality 2.00511e+006 to combine distinct counts:

2

Combined distinct count: 2

Result of computation: 2

Estimating distinct count in utility function

Input stats collection:

CStCollBaseTable(ID=1, CARD=5.01133e+007 TBL: Schema1.Table2 AS TBL: AA)

Columns to distinct on:QCOL: [Object1].Column1

Plan for computation:

CDVCPlanUniqueKey

Result of computation: 5.01133e+007

Begin selectivity computation

Input tree:

LogOp_Select

CStCollBaseTable(ID=2, CARD=2.00511e+006 TBL: Schema1.Table1 AS TBL: A)

ScaOp_Comp x_cmpGe

ScaOp_Identifier QCOL: [Object3].Column53

ScaOp_Identifier COL: Variable1

Plan for computation:

CSelCalcColumnInInterval

Column: QCOL: [Object3].Column53

Selectivity: 0.0546954

Stats collection generated:

CStCollFilter(ID=18, CARD=109670)

CStCollBaseTable(ID=2, CARD=2.00511e+006 TBL: Schema1.Table1 AS TBL: A)

End selectivity computation

Begin selectivity computation

Input tree:

LogOp_Select

CStCollBaseTable(ID=2, CARD=2.00511e+006 TBL: Schema1.Table1 AS TBL: A)

ScaOp_Logical x_lopAnd

ScaOp_Comp x_cmpGe

ScaOp_Identifier QCOL: [Object3].Column53

ScaOp_Identifier COL: Variable1

ScaOp_Logical x_lopOr

ScaOp_Comp x_cmpls

ScaOp_Identifier QCOL: [Object3].Column12

ScaOp_Const TI(datetime,Null,ML=8) XVAR(datetime,Not Owned,Value=NULL)

ScaOp_Comp x_cmpLt

ScaOp_Identifier QCOL: [Object3].Column12

ScaOp_Identifier COL: Variable2

Plan for computation:

CSelCalcCombineFilters_ExponentialBackoff (AND)

CSelCalcColumnInInterval

Column: QCOL: [Object3].Column12

CSelCalcColumnInInterval

Column: QCOL: [Object3].Column53

Selectivity: 0.0545893

Stats collection generated:

CStCollFilter(ID=19, CARD=109457)

CStCollBaseTable(ID=2, CARD=2.00511e+006 TBL: Schema1.Table1 AS TBL: A)

End selectivity computation

Begin selectivity computation

Input tree:

LogOp_Select

CStCollBaseTable(ID=2, CARD=2.00511e+006 TBL: Schema1.Table1 AS TBL: A)

ScaOp_Logical x_lopAnd

ScaOp_Comp x_cmpls

ScaOp_Identifier QCOL: [Object3].Column12

ScaOp_Const TI(datetime,Null,ML=8) XVAR(datetime,Not Owned,Value=NULL)

ScaOp_Comp x_cmpGe

ScaOp_Identifier QCOL: [Object3].Column53

ScaOp_Identifier COL: Variable1

ScaOp_Comp x_cmpEq

ScaOp_Identifier QCOL: [Object3].Column54

ScaOp_Const TI(tinyint,ML=1) XVAR(tinyint,Not Owned,Value=0)

Plan for computation:

CSelCalcCombineFilters_ExponentialBackoff (AND)

CSelCalcColumnInInterval

Column: QCOL: [Object3].Column12

CSelCalcColumnInInterval

Column: QCOL: [Object3].Column53

CSelCalcColumnInInterval

Column: QCOL: [Object3].Column54

Selectivity: 0

Stats collection generated:

CStCollFilter(ID=20, CARD=1)

CStCollBaseTable(ID=2, CARD=2.00511e+006 TBL: Schema1.Table1 AS TBL: A)

End selectivity computation

Estimating distinct count in utility function

Input stats collection:

CStCollFilter(ID=19, CARD=109457)

CStCollBaseTable(ID=2, CARD=2.00511e+006 TBL: Schema1.Table1 AS TBL: A)

Columns to distinct on:QCOL: [Object3].Column55 QCOL: [Object3].Column56 QCOL:
[Object3].Column12 QCOL: [Object3].Column53

Plan for computation:

CDVCPlanUniqueKey

Result of computation: 109457

Estimating distinct count in utility function

Input stats collection:

CStCollGroupBy(ID=5, CARD=108135)

CStCollFilter(ID=3, CARD=108210)

CStCollBaseTable(ID=2, CARD=2.00511e+006 TBL: Schema1.Table1 AS TBL: A)

Columns to distinct on:QCOL: [Object3].Column18

Plan for computation:

CDVCPlanUniqueKey

Result of computation: 108135

Estimating distinct count in utility function

Input stats collection:

CStCollJoin(ID=8, CARD=1 x_jtInner)

CStCollBaseTable(ID=1, CARD=5.01133e+007 TBL: Schema1.Table2 AS TBL: AA)

CStCollFilter(ID=3, CARD=108210)

CStCollBaseTable(ID=2, CARD=2.00511e+006 TBL: Schema1.Table1 AS TBL: A)

Columns to distinct on:QCOL: [Object1].Column1

Plan for computation:

CDVCPlanJoin

Plan for non-join columns (Left)

CDVCPlanUniqueKey

Result of computation: 1