Indexable and stage 1 predicates 31

On "Where and Join" Clause

   The following predicates might be evaluated by matching index access, during index screening, or after data page access during stage 1 processing.

    COL = value
    COL = noncol expr

COL IS NULL
COL op value
COL op noncol
value BETWEEN COL1 AND COL2
COL BETWEEN value1 AND value2
COL BETWEEN noncol expr 1 AND noncol expr 2
COL BETWEEN expr-1 AND expr-2
COL LIKE 'pattern'
COL IN (list)
COL IS NOT NULL
COL LIKE host variable
COL LIKE UPPER ('pattern')
COL LIKE UPPER (host-variable)
COL LIKE UPPER (SQL-variable)
COL LIKE UPPER (global-variable)
COL LIKE UPPER (CAST ('pattern' AS data-type))
COL LIKE UPPER (CAST (host-variable AS data-type))
COL LIKE UPPER (CAST (SQL-variable AS data-type))
COL LIKE UPPER (CAST (global-variable AS data-type))
T1.COL = T2.COL
T1.COL op T2.COL
T1.COL = T2 col expr
T1.COL op T2 col expr
COL = (noncor subq)
COL op (noncor subq)
COL = ANY (noncor subq)
(COL1,...COLn) IN (noncor subq)
 COL = ANY (cor subq)
COL IS NOT DISTINCT FROM value
COL IS NOT DISTINCT FROM noncol expr
T1.COL1 IS NOT DISTINCT FROM T2.COL2
T1.COL1 IS NOT DISTINCT FROM T2 col expr
COL IS NOT DISTINCT FROM (noncor subq)
SUBSTR(COL,1,n) = value
SUBSTR(COL,1,n) op value
DATE(COL) = value
DATE(COL) op value

YEAR(COL) = value
YEAR(COL) op value

Stage 1 not indexable predicates 31

The following predicates might be evaluated during stage 1 processing, during index screening, or after data page access.

    COL <> value
    COL <> noncol expr
    COL NOT BETWEEN value1 AND value2
    COL NOT IN (list)
    COL NOT LIKE ' char'

COL LIKE '%char' 1,
COL LIKE '_char' 1,

    T1.COL <> T2 col expr
    COL op ANY (noncor subq)
    COL op ALL (noncor subq)
    COL IS DISTINCT FROM value
    COL IS DISTINCT FROM (noncor subq)

Stage 2 predicates

The following predicates must be processed during stage 2, after the data is returned.

    COL BETWEEN COL1 AND COL2
    value NOT BETWEEN COL1 AND COL2

value BETWEEN col expr and col expr
T1.COL <> T2.COL
T1.COL1 = T1.COL2
T1.COL1 op T1.COL2
T1.COL1 <> T1.COL2
COL = ALL (noncor subq)
COL <> (noncor subq)
COL <> ALL (noncor subq)
COL NOT IN (noncor subq)
COL = (cor subq)
COL = ALL (cor subq)
COL op (cor subq)
COL op ANY (cor subq)
COL op ALL (cor subq)
COL <> (cor subq)
COL <> ANY (cor subq)
(COL1,...COLn) IN (cor subq)
COL NOT IN (cor subq)
(COL1,...COLn) NOT IN (cor subq)

T1.COL1 IS DISTINCT FROM T2.COL2
T1.COL1 IS DISTINCT FROM T2 col expr
COL IS NOT DISTINCT FROM (cor subq)
EXISTS (subq)
expression = value
expression <> value
expression op value
expression op (subq)

NOT XMLEXISTS
CASE expression WHEN expression ELSE expression END = value

Indexable but not stage 1 predicates
   The following predicates can be processed during index access but Indexable and stage 1 predicates
31
cannot be processed during stage 1.

   XMLEXISTS