BlockOf x1to1 → EntityShape DATABASE → TupleOf

head → BlockOf x1to1 → (dashed)

1 → EntityShape DATABASE → TupleOf

load_table("patient",["id"]) SELECT id FROM patient → BlockOf x0toN → EntityShape "patient" → TupleOf → Int32

head → BlockOf x0toN → (dashed)

1 → EntityShape "patient" → TupleOf → Int32

BlockOf x1to1 → BlockOf x0toN → (dashed)

flatten() → BlockOf x0toN → (dashed)

BlockOf x0toN → EntityShape "patient" → TupleOf → Int32

Head of alias A

load_table("patient",["id"]) SELECT id FROM patient → BlockOf x0toN → EntityShape "patient" → TupleOf → Int32

head → BlockOf x0toN

cardinality(x1to1) → BlockOf x1to1

flatten() → BlockOf x0toN

flatten() → BlockOf x0toN

load_table("patient",["id"]) SELECT id FROM patient → BlockOf x0toN → EntityShape "patient" → TupleOf → Int32

1 → EntityShape "patient" → TupleOf → Int32

load_table("patient",["mrn"],["id"]) SELECT mrn FROM patient WHERE id = ? → BlockOf x0toN → EntityShape "patient" → TupleOf → String

head

output()

column(1)

load_query(
"SELECT t1.col1 ...
FROM t1 LEFT JOIN
...")

BlockOf
x0toN

EntityShape
DATABASE

TupleOf

Int32
String
String

input

A *Root table*

p, q

B

C *Table,*
Join condition,
cardinality

r

s, t

D