## Query 7: Ratio to report applied to a partition

Calculate the ratio to report of the sum of extended cost for adjustments (transaction type 1) with partitioning on calendar year. You should sort on ascending order by calendar year and descending order by sum of extended cost. The result should contain the calendar year, second item id, sum of extended cost, and ratio to report.

SELECT dd.CALYEAR, imd.SECONDITEMID,

SUM(f.EXTCOST),

RATIO\_TO\_REPORT(SUM(f.EXTCOST)) OVER(PARTITION BY dd.CALYEAR)

FROM INVENTORY\_FACT f

INNER JOIN ITEM\_MASTER\_DIM imd

ON f.ITEMMASTERKEY = imd.ITEMMASTERKEY

INNER JOIN DATE\_DIM dd

ON f.DATEKEY = dd.DATEKEY

WHERE f.TRANSTYPEKEY = 1

GROUP BY dd.CALYEAR, imd.SECONDITEMID

ORDER BY dd.CALYEAR ASC, SUM(f.EXTCOST) DESC

