**PROBLEM 4**

SELECT

TRANSDESCRIPTION,COMPANY\_DIM.COMPANYNAME,BPNAME,SUM(Extcost) AS Sumcost,COUNT(TRANS\_TYPE\_DIM.TRANSTYPEKEY) AS RowCount

FROM Inventory\_fact, Date\_dim,Trans\_Type\_Dim,BRANCH\_PLANT\_DIM,COMPANY\_DIM

WHERE Inventory\_fact.DATEKEY=Date\_dim.DATEKEY

AND Inventory\_fact.TransTypeKey=Trans\_Type\_Dim.TRANSTYPEKEY

AND Inventory\_fact.BRANCHPLANTKEY=BRANCH\_PLANT\_DIM.BRANCHPLANTKEY

AND BRANCH\_PLANT\_DIM.COMPANYKEY=COMPANY\_DIM.COMPANYKEY

GROUP BY GROUPING SETS(TRANSDESCRIPTION,COMPANY\_DIM.COMPANYNAME,BPNAME,(TRANSDESCRIPTION,COMPANY\_DIM.COMPANYNAME),TRANSDESCRIPTION,());

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