**Problem 4**

**Query:**

**SELECT T.transdescription**

**, D.companyname**

**, P.BPNAME**

**, COUNT(\*) AS TotalTransaction**

**, SUM(F.extcost) AS TotalExtCost**

**FROM branch\_plant\_dim P**

**INNER JOIN company\_dim D**

**ON P.companykey = D.companykey**

**INNER JOIN inventory\_fact F**

**ON P.branchplantkey = F.branchplantkey**

**INNER JOIN trans\_type\_dim T**

**ON T.transtypekey = F.transtypekey**

**GROUP BY GROUPING SETS((**

**T.transdescription**

**, D.companyname**

**, P.bpname**

**), T.transdescription, D.companyname, P.BPNAME, ());**

**Output:**

