**query 4**

select transdescription, companyname, bpname, sum(extcost) as cost\_sum,

count(\*) as inventory\_tran

from inventory\_fact, trans\_type\_dim,branch\_plant\_dim,company\_dim

where 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,companyname,bpname),

(transdescription,companyname),

transdescription,());

