**query 10**

select name,calyear,calquarter,sum(extcost) as cost\_sum,

count(\*) as inventory\_tran

from inventory\_fact,cust\_vendor\_dim,date\_dim

where transtypekey=5 and

date\_dim.calyear between 2011 and 2012 and

date\_dim.datekey=inventory\_fact.datekey and

inventory\_fact.custvendorkey=cust\_vendor\_dim.custvendorkey

group by grouping sets(cust\_vendor\_dim.name, rollup(calyear,date\_dim.calquarter));

