

a) SELECT E.ename, E.age

—SOBHAN—

FROM E.mpe, work w1, works w2 Dept D1, Dept D2

WHERE E.aid = w1.aid AND w1.did = D1.did AND

D1.dname = 'Hardware' AND E.aid = w2.aid

AND w2.did = D2.did AND D2.dname = 'software'

b) SELECT w.did, count(w.aid)

FROM works w

GROUP BY w.did

HAVING 2000 < (SELECT SUM(w1.Pt time)

FROM works w1
WHERE w1.did = w.did)

c) SELECT E.ename

FROM EmpE

WHERE E.salary > ALL (SELECT D.budget
FROM DeptD, works w
WHERE E.id = w.id AND D.id = w.did)

d) SELECT E.ename

FROM EmpE, DeptD

WHERE E.id = D.mgrid GROUP BY E.id E.ename

HAVING EVERY (D.budget > 4000000) AND ANY (D.budget

< 5000000)