```
SELECT P.pname
FROM Parts P, Catalog S
FROM Suppliers S
WHERE NOT EXISTS ((SELECT P.pid
                         FROM Parts P
                         FXCFPT
                         (SELECT C.sid
                           FROM Catalog C
                          WHERE S.pid = C.pid)))
FROM Suppliers S
                         EXCEPT
                         FROM Catalog C
WHERE S.pid = C.pid)))
SELECT P.pid
FROM (SELECT P.pid, P.pname
        FROM Parts P, Catalog C, Suppliers S
WHERE P.pid = C.pid and C.sid = S.sid and S.sname = 'Acme Widget Suppliers'
        EXCEPT
        FROM Parts P, Catalog C, Suppliers S
WHERE P.pid = C.pid and S.sid = S.sid and not (S.sname = 'Acme Widget Suppliers'))
    #5
SELECT C.sid
FROM Catalog C
WHERE C.cost >= (SELECT AVG(C.cost)
                      FROM Catalog C)
-- For each part, find the sname of the supplier who charges the most for that part.

SELECT P.pname, S.sname

FROM Parts P, Catalog C, Suppliers S

WHERE P.pid = C.pid and C.sid = S.sid

and NOT EXISTS (SELECT C.pid
                             FROM Catalog C2
FROM Parts P, catalog C
WHERE P.pid = C.pid
        and NOT EXISTS (SELECT C2.sid
                             FROM Parts P, Catalog C2
                             WHERE P.pid = C2.pid and C2.pid = C.pid and P.color = 'Red')
    Find the sids of suppliers who supply a red part and a green part.
SELECT C.sid
FROM Parts P, Catalog C
INTERSECT
(SELECT C.sid
 FROM Parts P, Catalog C
WHERE P.pid = C.pid and P.color = 'Green')
SELECT C.sid
FROM Parts P, Catalog C
WHERE P.pid = C.pid and P.color = 'Red'
 FROM Parts P, Catalog C
 WHERE P.pid = C.pid and P.color = 'Green')
```