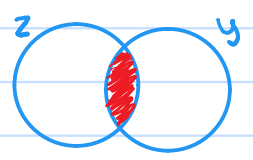
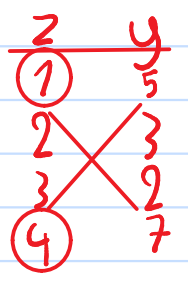


SUPPLIERS(sid, sname, address)
 PARTS(pid, pname, color)
 CATALOG(sid, pid, costs)

Sids of SUPP who supply
 some red OR some green
 part

second don't supply
 some green part



(SELECT C.sid
 FROM CATALOG C, PARTS P
 WHERE P.pid=C.pid AND P.color="red")
 UNION INTERSECT ALL UNION ALL
 (SELECT C1.sid, C1.pid
 FROM CATALOG C1, PARTS P1
 WHERE P1.pid AND P1.color="green")

UNION
 COMPATIBILITY

- 1. Ιδιο αριθμό χαρακτηριστικών.
- 2. Ιδιο τύπο χαρακτηριστικών.

UNION

SUPPLIERS(sid, sname, address)
 PARTS(pid, pname, color)
 CATALOG(sid, pid, costs)

Sids of SUPP who
 supply parts with cost
 Greater than the average
 cost of all parts

Sids of SUPP who
 supply parts with cost
 EQUAL to the most
 expensive part

SELECT C.sid
 FROM CATALOG C
 WHERE C.cost > (SELECT AVG(C1.cost)
 FROM CATALOG C1)

1. Μη εξαρτημένο

UNION
 COMPATIBLE

FLIGHTS (fno, from, to, distance, departs, arrives)
 AIRCRAFT (aid, aname, cruising range)
 CERTIFIED (eid, aid)
 EMPLOYEES (eid, ename, salary)

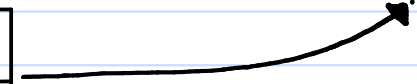
eids of employees who make the highest salary second

```

SELECT E.eid
FROM EMP E
WHERE E.salary = (SELECT MAX(E1.salary)
                  ① FROM EMP E1
                  ② WHERE E1.salary <> (SELECT MAX(E3.salary)
                                         FROM EMP E3))
  
```

E3	SAL	E1	E1.sal
	1		1
	2		2
	3		3
	4		4
	5		4

SAL
5



eids of employees who are certified by exactly 3 aircraft

```

SELECT C1.eid
FROM CERTIFIED C1, C2, C3
WHERE C1.eid = C2.eid AND C2.eid = C3.eid
      AND C1.aid != C2.aid AND C2.aid != C3.aid AND C3.aid != C1.aid
  
```

≥ 3 αεροπλάνα

```

EXCEPT
SELECT C4.eid
FROM C4, C5, C6, C7
WHERE ( όλα τα eid ισα
       όλα τα eid άνισα )
  
```

> 3 αεροπλάνα > 9 αεροπλάνα

