- 1 as Trane, ages (orcedits=41 grale=10 (Stubents He Enrolled He Courses))
  - b) i. P (PI, (TI sid ( ograde >= 7 (Errolled & Courses)))

    ii. P (P2, (Ti Sid ( ograde 27 (Errolled & Courses))))
    - iii. The Sname ((P-P2) A Shouts)
- P(Pr, Tage Z= 25 and grale 7=7 ( doines & Enrolled & Studinty)
  P(Pr, Tage >27 and grade 27 ( (ourses & Enrolled & Studints))
  Trans (PI-Pr)
- D) Trage (ograde=10 12. credits=4' (Students & Enrolled & Courses))

```
--num2
--a)
select c.name
from courses c, enrolled e, students s
where c.cid = e.cid and s.sid = e.sid and
 s.sid = select max(select s.age
                     from students s
                     );
--b)
select c.cname
from courses c, enrolled e, students s
where c.cid=e.cid and s.sid = e.sid and s.age > 25 and e.grade > 7);
--c)
select c.cname
from students s, enrolled e
where s.sid =e.sid and 2 > (select count(*)
                           from enrolled e
                           where e.grade =10)
 and 4>= (select count(*)
                           from course c
                           where e.cid - c.cid
```

```
);
--d)
select avg(e.grade)
from courses c, enrolled e, students s
where s.age >=25
group by c.cid
having 10 >= count (*)
--e)
select c.cname
from courses c
where not exists(
 (select s.sid from students select
  where s.age >=20)
   except
   (select e.sid from enrolled where
    e.cid = c.cid)
)
```