```
1)

Πperson_name,id(σworks.company_name='BigBank'(works))

Πperson_name,id,city(σ company_name='BigBank'(works ⋈ employee))

Πid,person_name,street,address,city(σ company_name='BigBank v salary>=$1000 (employee ⋈ company))

Πid,person_name,id(σemployee.city=company.city(employee ⋈ company))

2)

Πperson_name,id(σworks.company_name ¬'BigBank'(works))

Πperson_name,id(works ⋈ employee ⋈ company) - σ a.salary>b.salary(company_name))

3)

Insert tuple: (3, Beks, Kazakh,42500) you cannot delete where the department does not have "Kazakh" department

Delete a tuple: (Russian, Beks,42500) you cannot delete where at least one has a dept name as Russian
```

they would violate foreign key constraint

4)

Person\_name

Company\_name