laboratory work 1.

№1

- $\Pi_{ID, person\_name}(\sigma_{employee.ID = works.ID \wedge company\_name = "BigBank"}(employee \times works))$
- $\Pi_{ID, person\_name, city}(\sigma_{employee.ID = works.ID \wedge company\_name = "BigBank"}(employee \times works))$
- $\Pi_{ID, person\_name, street}(\sigma_{employee.ID = works.ID \wedge company\_name = "BigBank" \wedge works.salary > \$10\,000}(employee \times works))$
- $\Pi_{ID, person\_name}(\sigma_{employee.city = company.city}(employee \times company))$

№2

- $\Pi_{ID, person\_name} \blacklozenge (\sigma_{employee.ID = works.ID \neg company\_name = "BigBank"}(employee \times works))$
- $\Pi_{ID, person\_name}(\sigma_{works.ID = employee.ID \wedge works.salary >= avg(works.salary)}(employee \times works))$

№3.

Inserting a tuple:

(22222, Einstein, Physics, 95000)

Deleting the tuple:

(Physics, Einstein, 95000)

/Figure 2.10 - example/

№4.

person_name, company_name.