

# 数据库原理CH2作业

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## P62-2.14

a.

$$\begin{aligned} & \Pi_{ID, person\_name} \\ & (employee \bowtie_{employee.person\_name=works.person\_name \wedge company\_name="Big Bank"} works) \end{aligned} \quad (1)$$

b.

$$\begin{aligned} & \Pi_{ID, person\_name, city} \\ & (employee \bowtie_{employee.person\_name=works.person\_name \wedge company\_name="Big Bank"} works) \end{aligned} \quad (2)$$

c.

$$\begin{aligned} & \Pi_{ID, person\_name, street, city} \\ & (employee \bowtie_{employee.person\_name=works.person\_name \wedge company\_name="Big Bank" \wedge salary > 10000} works) \end{aligned} \quad (3)$$

d.

$$\begin{aligned} & \Pi_{ID, person\_name} \\ & (\rho_w(employee \bowtie works)) \bowtie_{w.company\_name=company.company\_name \wedge w.city=company.city} company \end{aligned} \quad (5)$$