① $\Pi_{\text{person-name}}(\sigma_{\text{company-name}='FBC'}(\text{works}))$

② $\Pi_{\text{person-name, city}}(\text{employee} * \sigma^{(\text{works})}_{\text{company-name}='FBC'})$

③ $\Pi_{\text{person-name, street, city}}(\sigma_{\text{company-name}='FBC' \wedge \text{Salary} > 10000}(\text{works} * \text{employee}))$

④ $\Pi_{\text{person-name}}(\sigma_{\text{employee.city} = \text{Company.city}}(\text{employee} * \text{works} * \text{Company}))$

⑤ $\Pi_{\text{person-name}}((\text{employee} * \text{manages}) \bowtie_{(\text{manager-name} = \text{employee2.person-name} \wedge \text{employee.street} = \text{employee2.street} \wedge \text{employee.city} = \text{employee2.city})} (\rho_{\text{employee2}}(\text{employee})))$

⑥ $\Pi_{\text{person-name}}(\sigma_{\text{company-name} \neq 'FBC'}(\text{works}))$

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(7) $\Pi_{person\text{-}name}(Works) - \left(\Pi_{Works.person\text{-}name}\left(Works \bowtie_{Works.Salary \leq Works2.Salary \wedge Works2.Company\text{-}name = 'SBC'} (\rho_{Works2}(Works))\right)\right)$

(8) $\Pi_{Company\text{-}name}(Company \div \Pi_{City}(\sigma_{Company\text{-}name = 'SBC'}(Company)))$