COSE371-01 데이터베이스 hw3			
정보대학	컴퓨터학과	2018320211	진지과

a. $\Pi_{loan\text{-}number}(\sigma_{amount > 1200}(loan))$

b. $\Pi_{customer\text{-}name}(depositor) \cup \Pi_{customer\text{-}name}(borrower)$

c. $\Pi_{customer\text{-}name}(\sigma_{branch\text{-}name = 'Perryridge'}(\sigma_{loan.loan\text{-}number = borrower.loan\text{-}number}(loan \times borrower)))$

d. $c - \Pi_{customer\text{-}name}(depositor)$

e. $\Pi_{balance}(account) - \Pi_{account.balance}(\sigma_{A.balance < account.balance}(account \times \rho_A(account)))$

f. $balance\ \mathcal{G}_{max(balance)}(account)$

g. $\Pi_{customer\text{-}name}(\sigma_{branch\text{-}name = 'downtown'}(account \bowtie branch) \cap \sigma_{branch\text{-}name = 'uptown'}(account \bowtie branch))$

h. $down \leftarrow \sigma_{branch\text{-}name = 'downtown'}(account \bowtie branch)$ $up \leftarrow \sigma_{branch\text{-}name = 'uptown'}(account \bowtie branch)$

$\Pi_{customer\text{-}name}(down \cup up)$

i. $temp \leftarrow \sigma_{branch\text{-}city = 'Brooklyn'}(account \bowtie branch)$

$\Pi_{customer\text{-}name}(temp)$