数据库第二章作业

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- 2.4.14 (a) $\Pi_{model}(\sigma_{speed \geq 3.0}(PC))$
 - (b) $\Pi_{maker}(Product) \Pi_{maker}(product \bowtie \sigma_{hd < 100}(Laptop))$
 - (c) $\sigma_{maker=B}(\Pi_{model,price}(PC) \cup \Pi_{model,price}(Laptop) \cup \Pi_{model,price}(Printer))$
 - (d) $\Pi_{model}(\sigma_{color = true \land type = laser}(Printer))$
 - (e) $\Pi_{maker}(Laptop PC)$
 - (f) $\rho_{P_1}(\Pi_{model,hd}(PC))$ $\rho_{P_2}(\Pi_{model,hd}P_1 \bowtie_{P_1.model < P.model \land P_1.hd = P.hd} \rho_P(P_1)))$ $\rho_{P_3}(\Pi_{model,hd}P_2 \bowtie_{P_2.model < P.model \land P_2.hd = P.hd} \rho_P(P_2)))$ $\Pi_{hd}(P_1 - P_3)$
 - (g) $\Pi_{P.model,PC.model}(\rho_P(PC) \bowtie_{P.model < PC.model \land P.speed = PC.speed \land P.ram = PC.ram} PC)$