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Exercise 1 \prod_{SID}(\sigma_{color="red"}(parts) \bowtie \sigma_{color="green"}(parts) \bowtie Suppliers)
\prod_{SID}(\sigma_{color="red"}(parts) \bowtie \sigma_{color="green"}(parts) \bowtie Suppliers)
\prod_{SID}(\sigma_{color="red"}(parts) \bowtie \sigma_{address="221PackerStreet"}(Suppliers))
\prod_{SID}(\sigma_{color="red"}(parts) \cap \sigma_{color="green"}(parts) \bowtie Suppliers)
\prod_{SID}(\sigma_{Pname="red"}(parts) \cap \sigma_{Pname="red2"}(parts) \cap \sigma_{Pname="red3"}(parts) \cap \sigma_{Pname="red3"}(parts) \cap \sigma_{Pname="red3"}(parts) \cap \sigma_{Pname="red3"}(parts) \cap \sigma_{Pname="red3"}(parts) \otimes Suppliers)
\prod_{SID}(\sigma_{Pname="red1"}(parts) \cap \sigma_{Pname="red2"}(parts) \cap \sigma_{Pname="red3"}(parts) \bowtie Suppliers)
\prod_{SID}(\sigma_{Pname="red1"}(parts) \cap \sigma_{Pname="red2"}(parts) \cap \sigma_{Pname="red3"}(parts) \cap \sigma_{Pname="red3"}(parts) \cap \sigma_{Pname="red3"}(parts) \cap \sigma_{Pname="red3"}(parts) \cap \sigma_{Pname="red3"}(parts) \cup \sigma_{Pname="red2"}(parts) \cap \sigma_{Pname="red3"}(parts) \cup \sigma_{Pname="red3"}(parts)
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Exercise 2