Terminologies

Translated by DLML2TEX

April 23, 2001

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\begin{aligned}
\texttt{Price} &\doteq \uparrow \texttt{Product} \\
\texttt{ManufacturedBy} &\doteq \uparrow \texttt{Product} \\
\texttt{PrintingAndDigitalImagingProduct} &\dot{\leq} \texttt{Product} \\
\texttt{HPProduct} &\dot{\leq} \texttt{Product} \sqcap (\forall \texttt{ManufacturedBy}.\text{"}\texttt{HewlettPackard}\text{"}) \\
\texttt{Printer} &\dot{\leq} \texttt{PrintingAndDigitalImagingProduct} \\
\texttt{PrinterTechnology} &\doteq \uparrow \texttt{Printer} \\
\texttt{PrintingSpeed} &\doteq \uparrow \texttt{Printer} \\
\texttt{PrintingResolution} &\doteq \uparrow \texttt{Printer} \\
\texttt{PrinterForPersonalUse} &\dot{\leq} \texttt{Printer} \\
\texttt{HPPrinter} &\dot{\leq} (\texttt{HPProduct} \sqcap \texttt{Printer}) \\
\texttt{LaserJetPrinter} &\dot{\leq} \texttt{Printer} \sqcap (\forall \texttt{PrintingTechnology}.\text{"}\texttt{LaserJet}\text{"}) \\
\texttt{HPLaserJetPrinter} &\dot{\leq} (\texttt{HPProduct} \sqcap \texttt{LaserJetPrinter}) \\
\texttt{HPLaserJet1100Series} &\dot{\leq} (\texttt{HPLaserJetPrinter} \sqcap \texttt{PrinterForPersonalUse}) \sqcap (\forall \texttt{PrintingSpeed}.\text{"}\texttt{8ppm}\text{"}) \sqcap (\forall \texttt{PrintingResolution}.\text{"}\texttt{600dpi}\text{"}) \\
\texttt{HPLaserJet1100se} &\dot{\leq} \texttt{HPLaserJet1100Series} \sqcap (\forall \texttt{Price}.\text{"}\texttt{\$479}\text{"}) \\
\texttt{HPLaserJet1100xi} &\dot{\leq} \texttt{HPLaserJet1100Series} \sqcap (\forall \texttt{Price}.\text{"}\texttt{\$399}\text{"})
\end{aligned}
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