## Intelligent Retrieval from a Database, Part 3

The domain closure assumption DCA for the signature of  $KB_1$  is expressed by the formula

$$\forall x(x=S\vee x=W\vee x=A\vee x=M).$$

**Problem 12.** Determine whether  $KB_1 \cup \{DCA\}$  is complete on the level of ground atoms.