



Description Logics

Winter Semester 2016

Exercise Sheet 8

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Exercise 8.29 Show that the transformation of \mathcal{FL}_0 -concepts into normal form requires only polynomial time.

Exercise 8.30 Show that subsumption in \mathcal{FL}_0 w.r.t. acyclic TBoxes is in co-NP by giving a polynomial-time reduction from this problem to the inclusion problem for acyclic finite automata (which is in co-NP).