Eleventh exercise sheet for the lecture

Syntax Directed Semantics (Part II)

Prof. Dr. Heiko Vogler / Dr. Janis Voigtländer

Winter Term 2007/08

Exercises 29–34 from the tenth exercise sheet; your favourite choice.

Exercise 35
Explain the differences between the classes of formulas $MSO(\Sigma)$, $MSO^{-}(\Sigma)$, $MSO(K, \Sigma)$, qf-$MSO^{-}(\Sigma)$, and $RMSO(K, \Sigma)$. ◇

Exercise 36
Give a ranked alphabet Σ, a semiring S, a recognizable tree series r over Σ and S, and a finite $E \subseteq S$ such that $r^{-1}(E)$ is not recognizable. ◇