Exercises.

9.0 Study Section C.3, C.4.

9.1   a) Prove that for all context-free word grammar G, the set of parse trees of G is a regular tree language.

      b) Prove that for all regular tree language L yield(L) is a context-free word language.

9.2   a) Prove that the set of ground redexes of left-linear TRS is regular.

      b) Show that the restriction to left-linear systems is essential.

9.3 Prove that the set of ground normal forms of left-linear TRS is regular.

9.4 C. 16.

9.5 C. 19.

9.6 C. 22.

9.7 Prove that ground-confluence is decidable for finite left-linear right-ground TRSs.