

# Homework 2

(10 points)

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## *Context free grammars*

1. Extend your lexical analyser to recognise nested Modula-2 comments (see lecture) using start conditions. Count the number of comments and calculate the maximum nested comment level in the program. **(3 points)**
2. Write a context-free grammar for the Mini-Pascal language in the BNF form, based on the sample.pas program. **(7 points)**