Informatik and Mathematical Modelling
DTU

7/11 03
mrh

02140 Languages and Parsing
Mandatory assignment 2: Test cases for Exercise 1

Test your programs in the answers to Exercise 1.3-5 on each of the following formulas. In these formulas, negation has highest precedence, conjunction have middle precedence and disjunction have lowest precedence.

$$\neg(\mathrm{P} \vee (\mathrm{Q} \wedge \neg \mathrm{R})) \tag{1}$$

$$\neg(\neg(\neg \mathrm{P}) \vee \mathrm{Q}) \vee (\neg \mathrm{Q} \vee \mathrm{P}) \tag{2}$$

$$\neg(\neg(\neg(\neg \mathrm{P}) \vee \mathrm{Q}) \vee (\neg \mathrm{Q} \vee \mathrm{P})) \tag{3}$$

The result of each test must be shown in the report.