Computer Aided Language Engineering (CALE)
Part III – from grammar to tools

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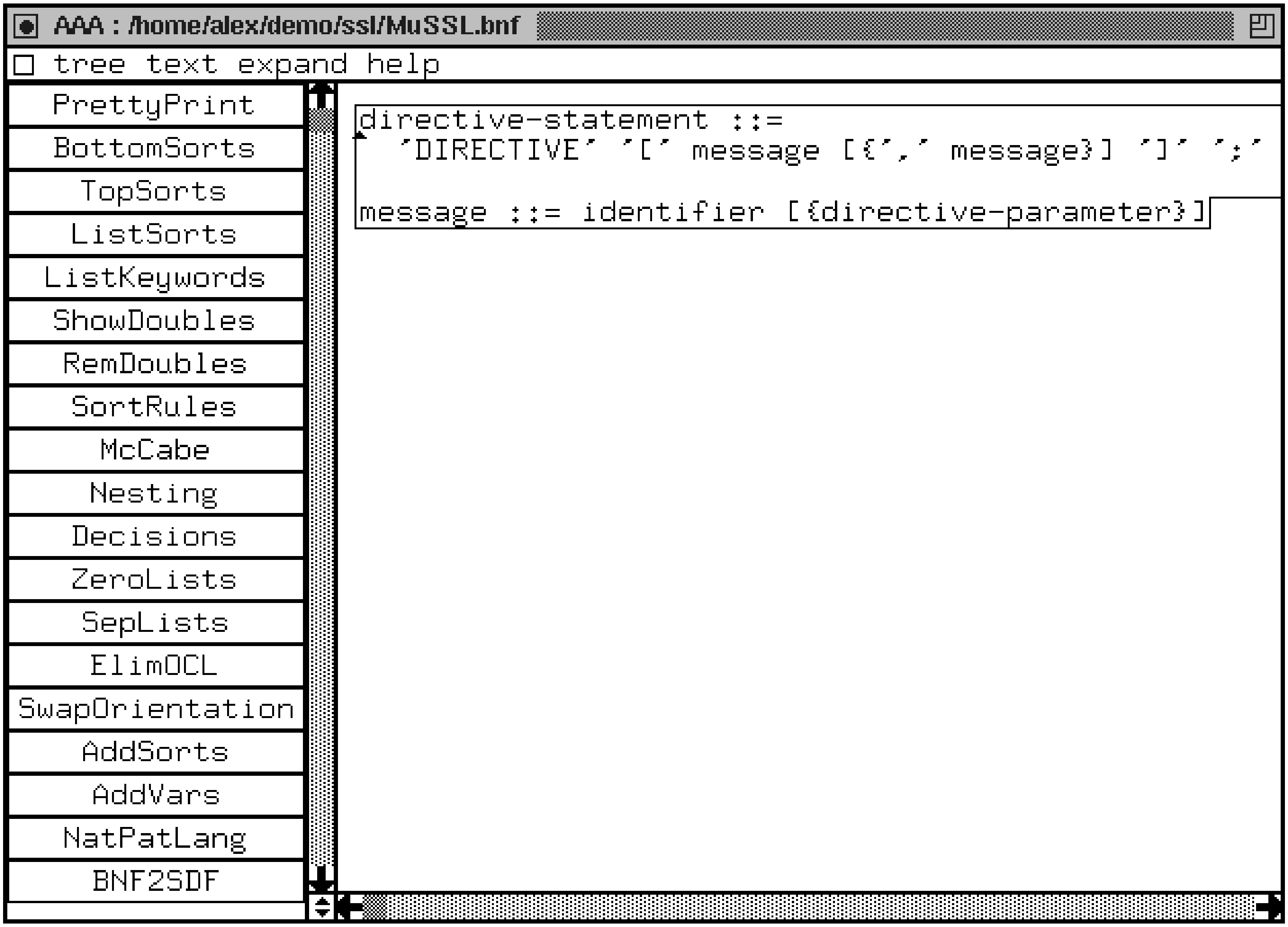
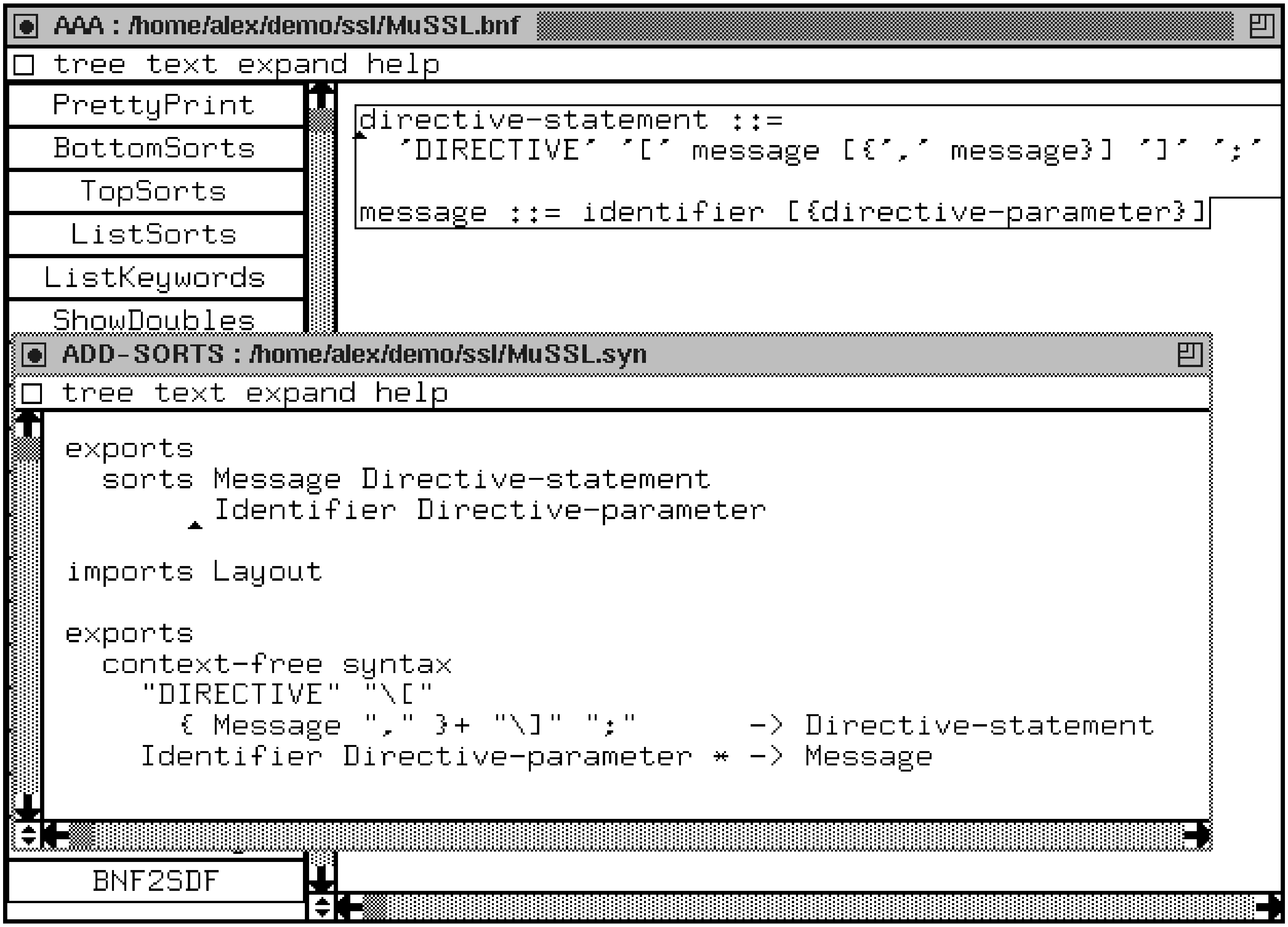
overview

- CALE tools: remove semantic errors and compile grammar
- construct tools
- example language: μSSL

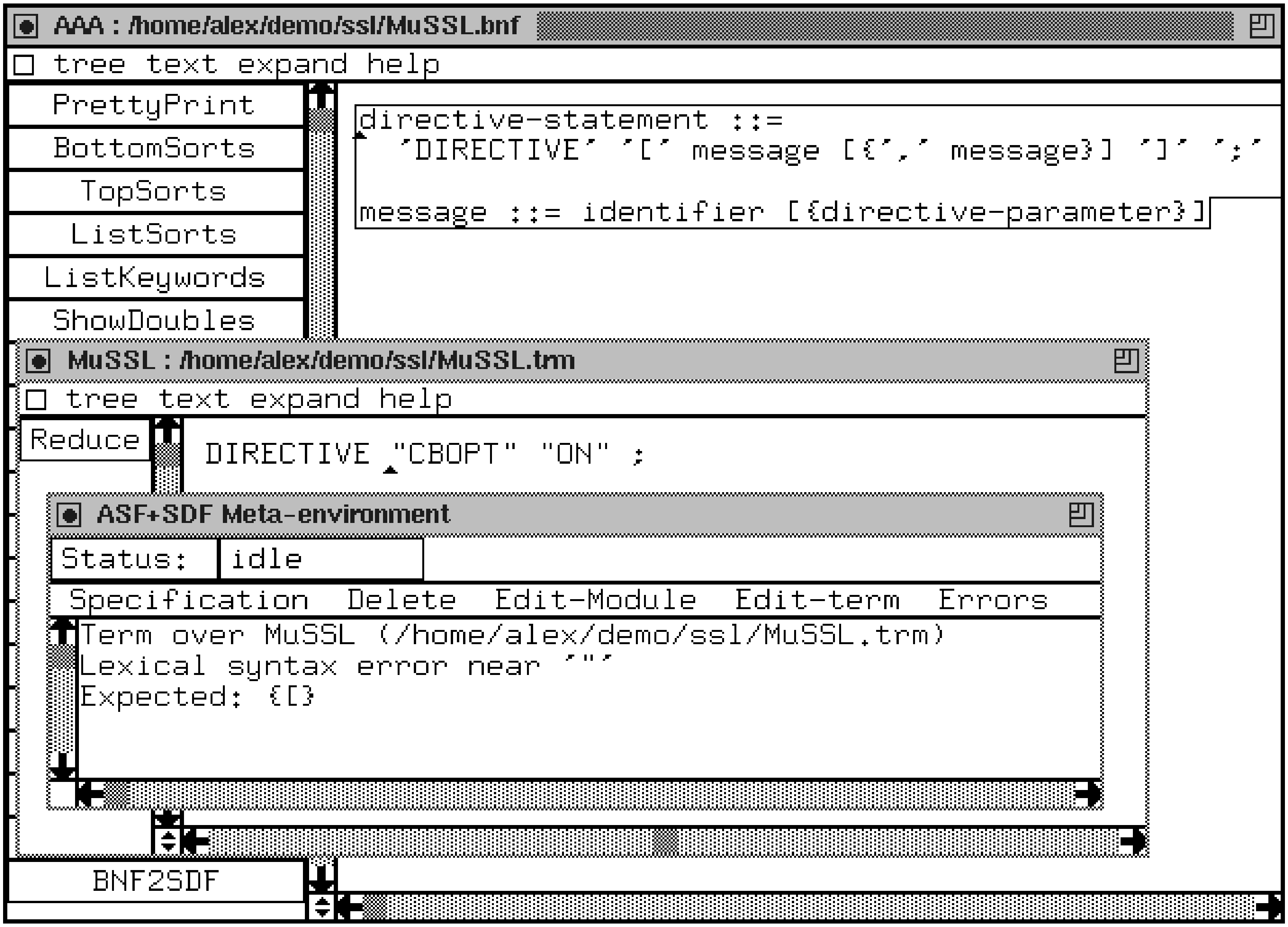
BNF definition of μSSL



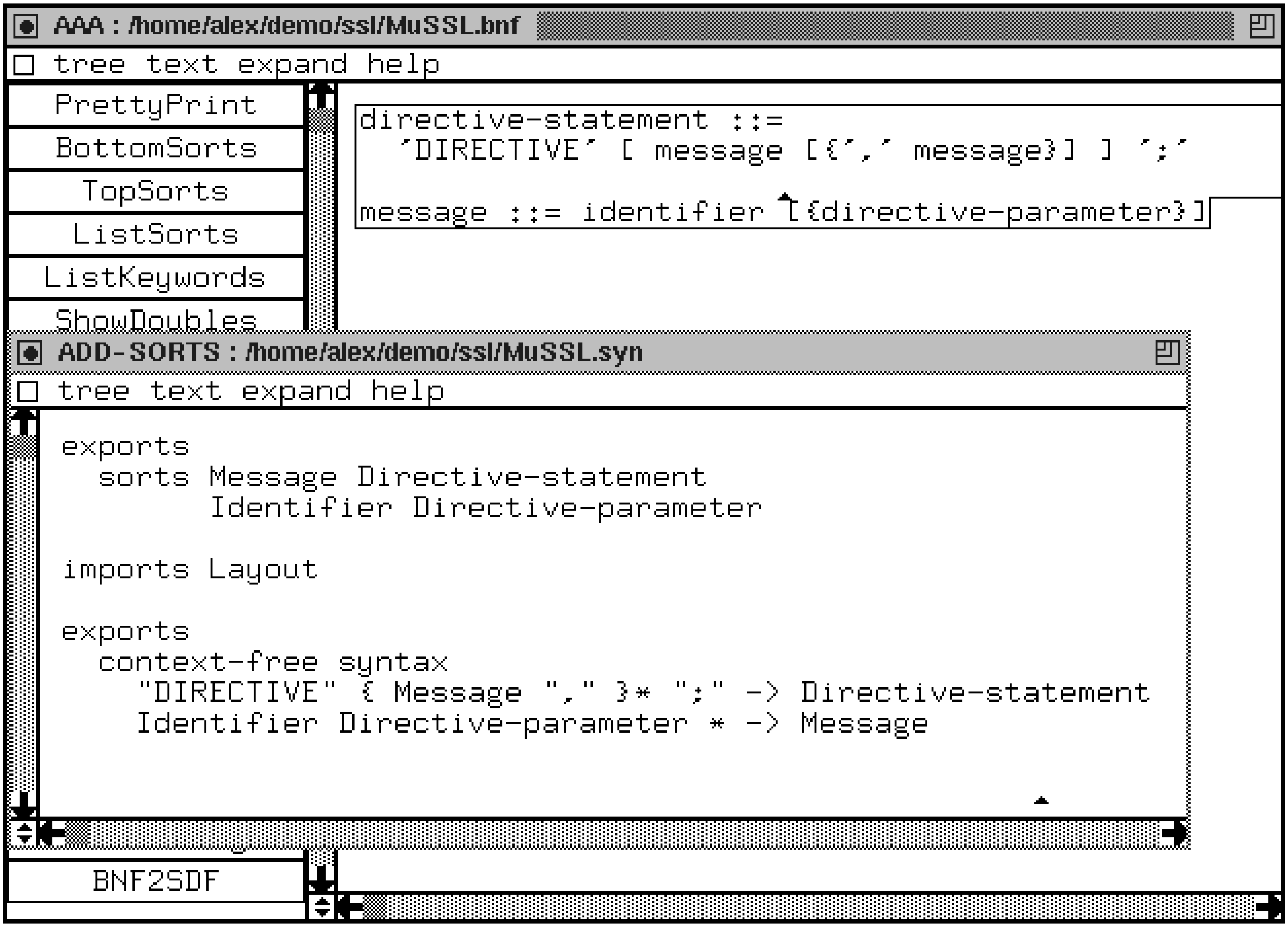
BNF and SDF of μSSL



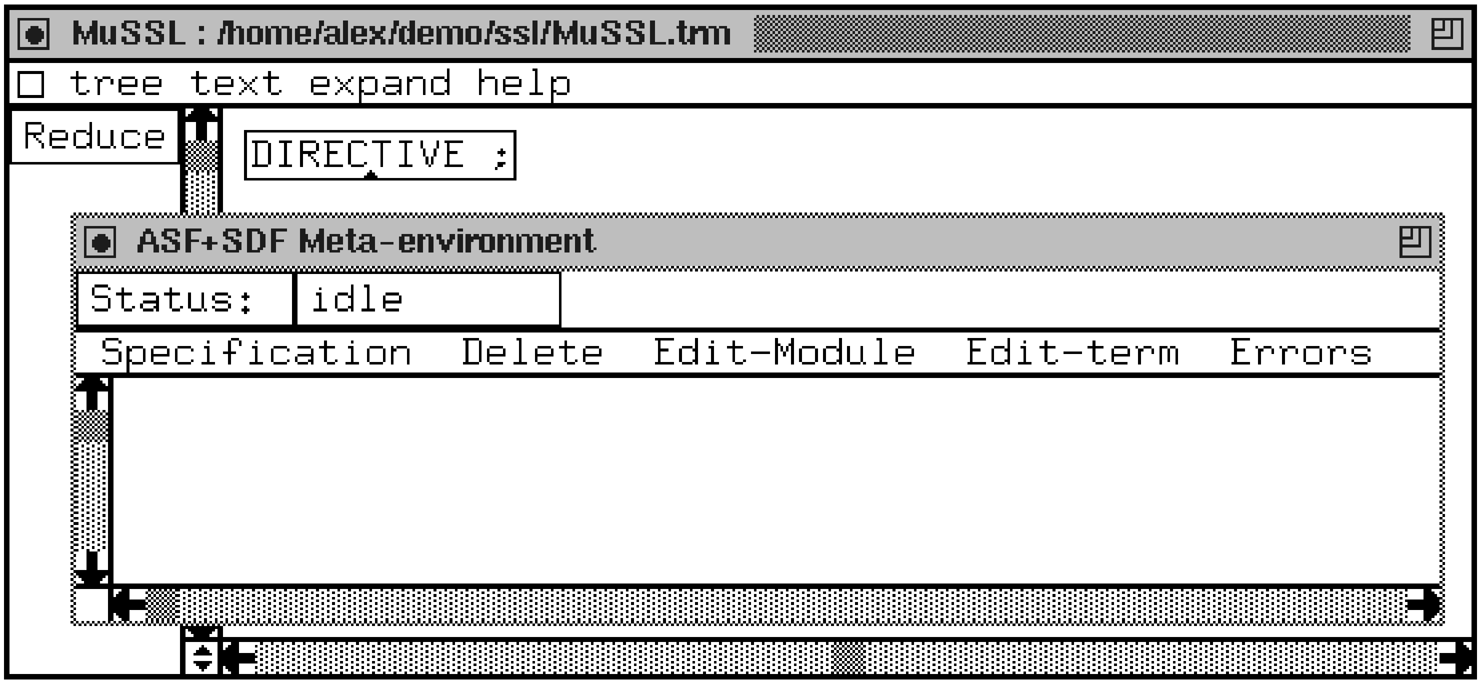
generated parser gives error



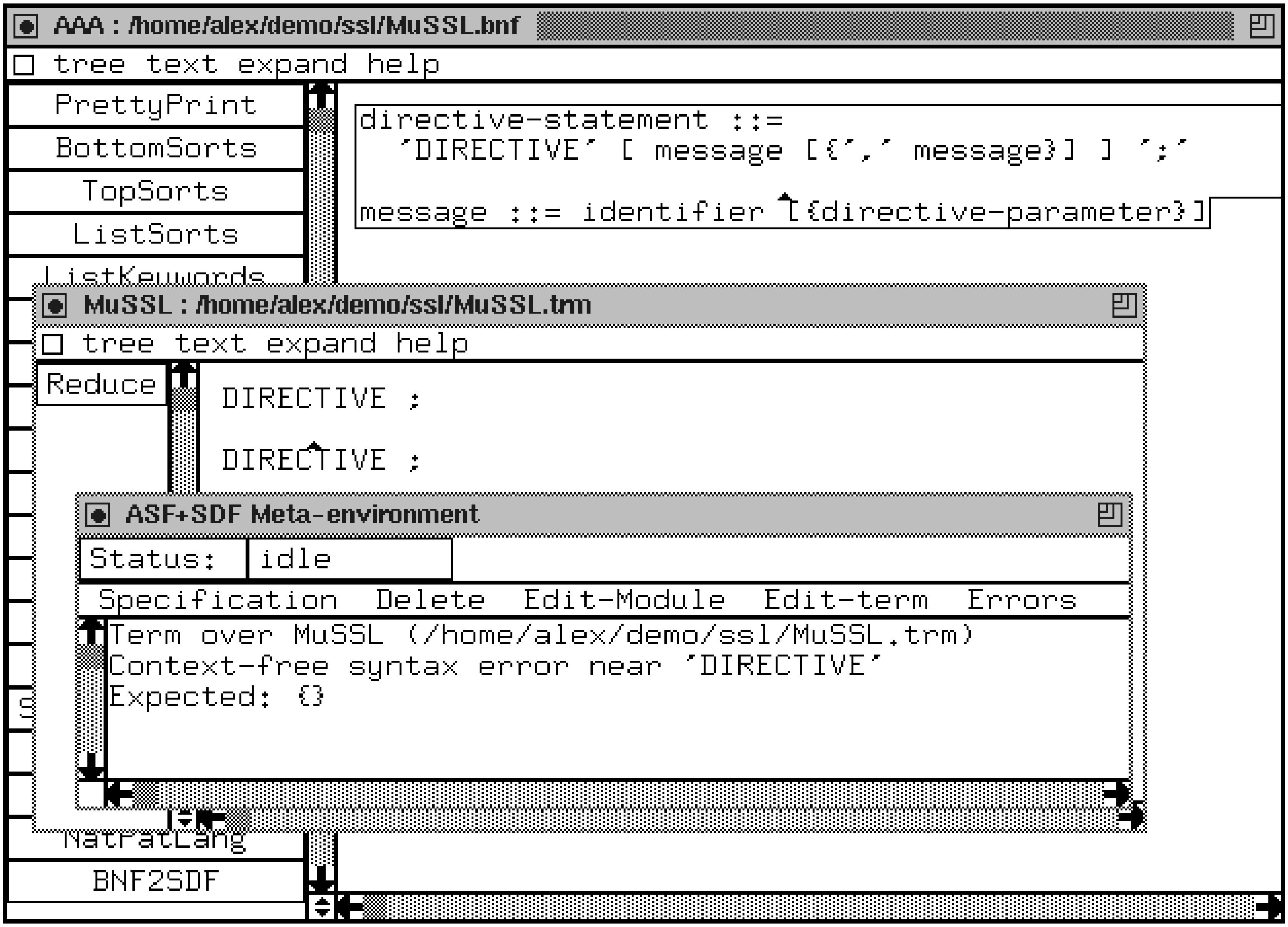
repaired BNF and generated SDF



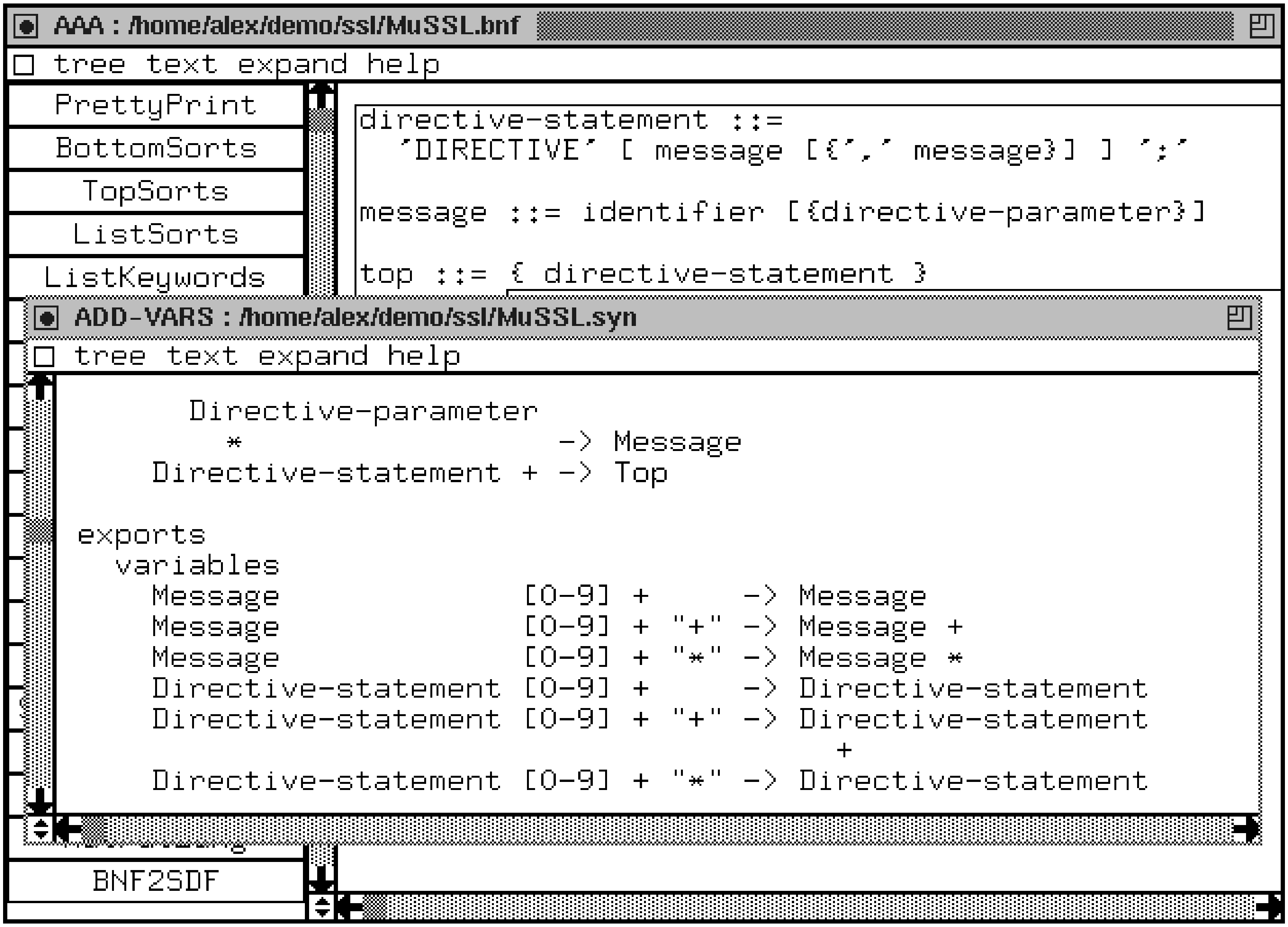
first result: DIRECTIVE parses



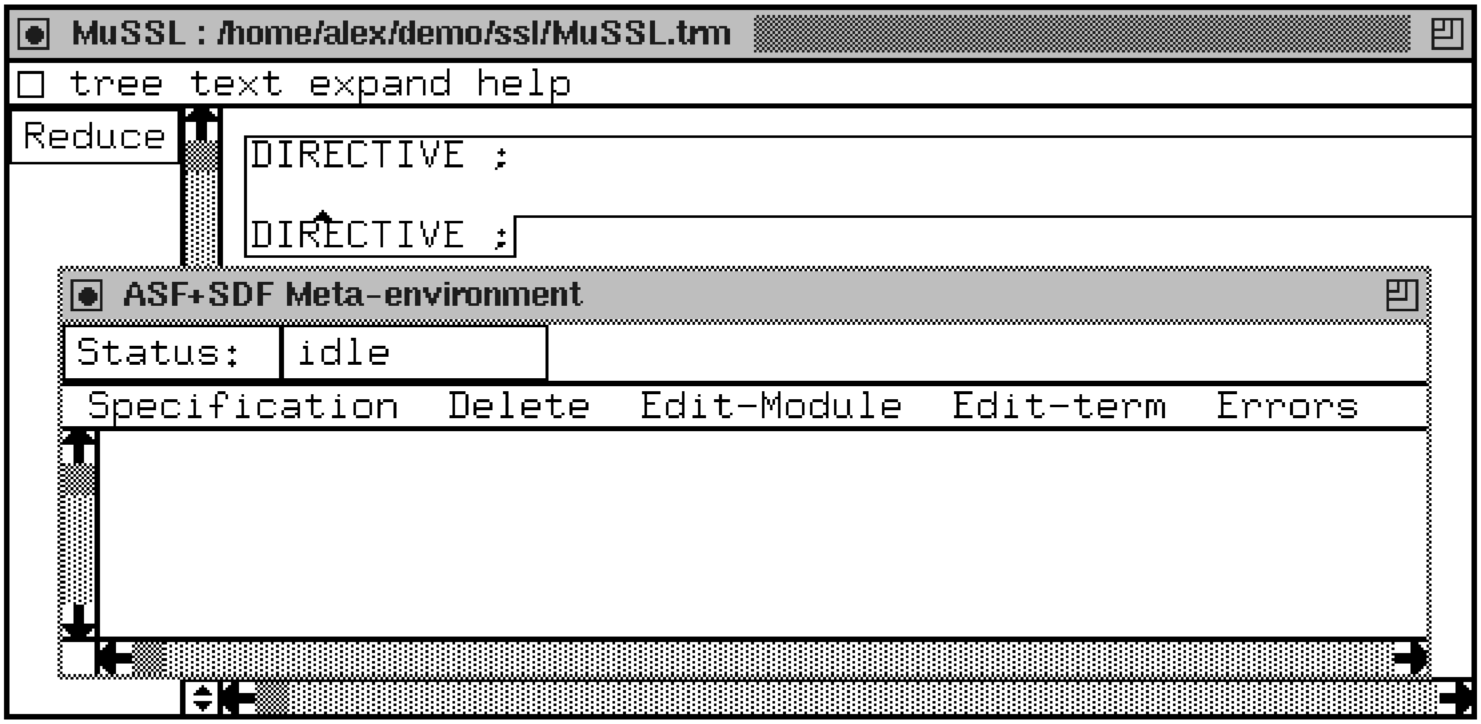
multiple statements do not parse



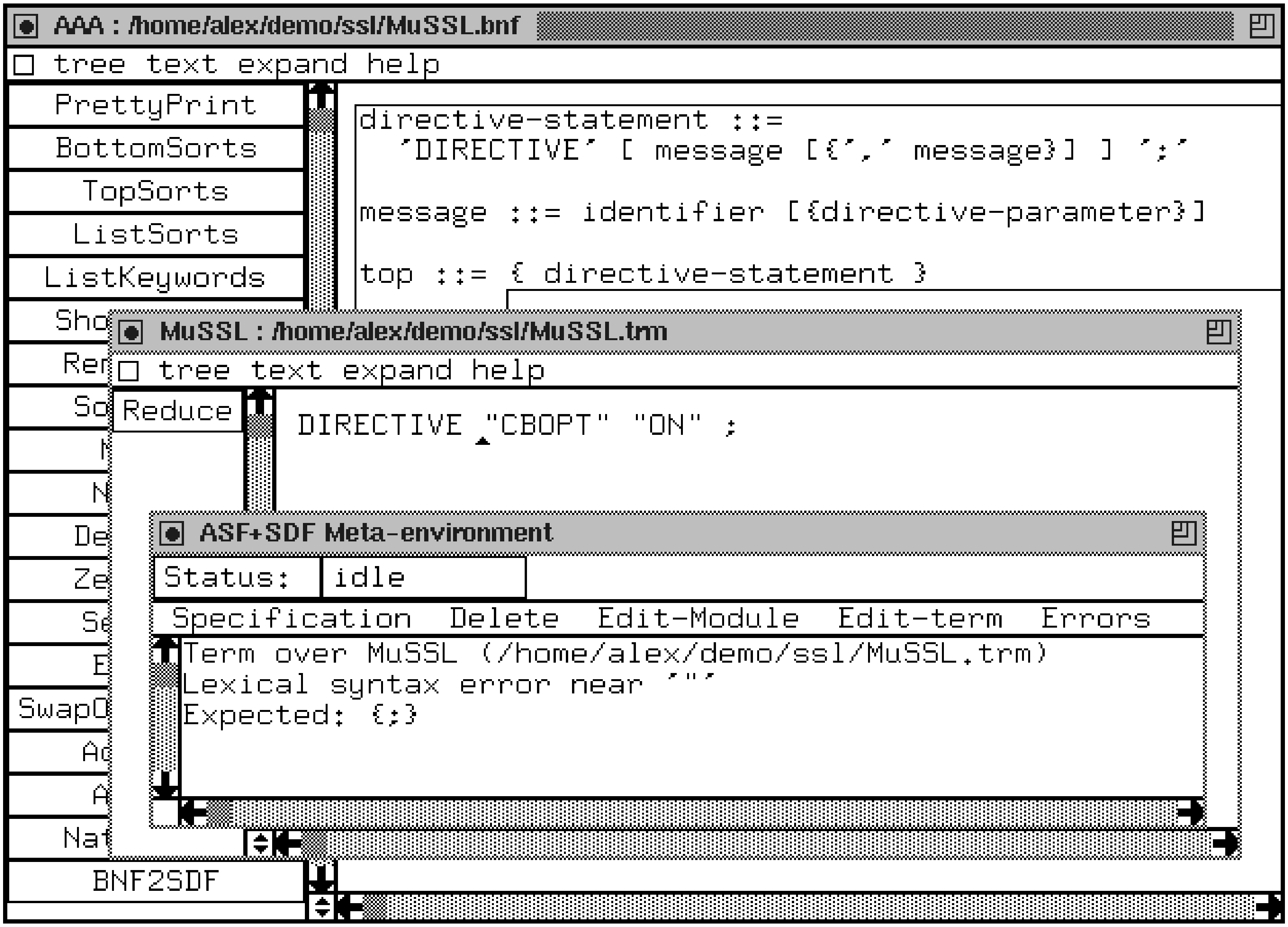
structure is missing: add a top sort



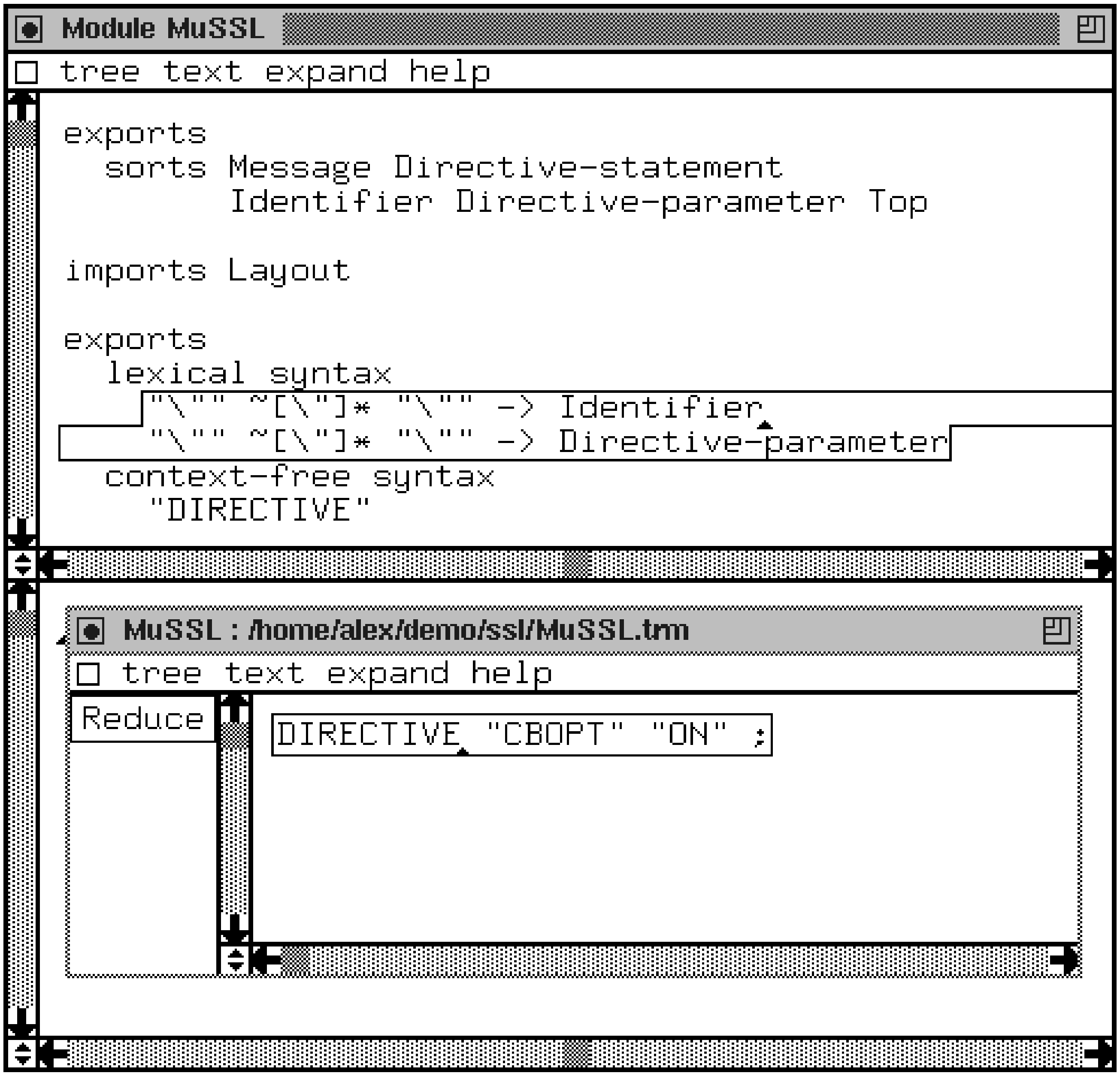
second result: multiple statements parse



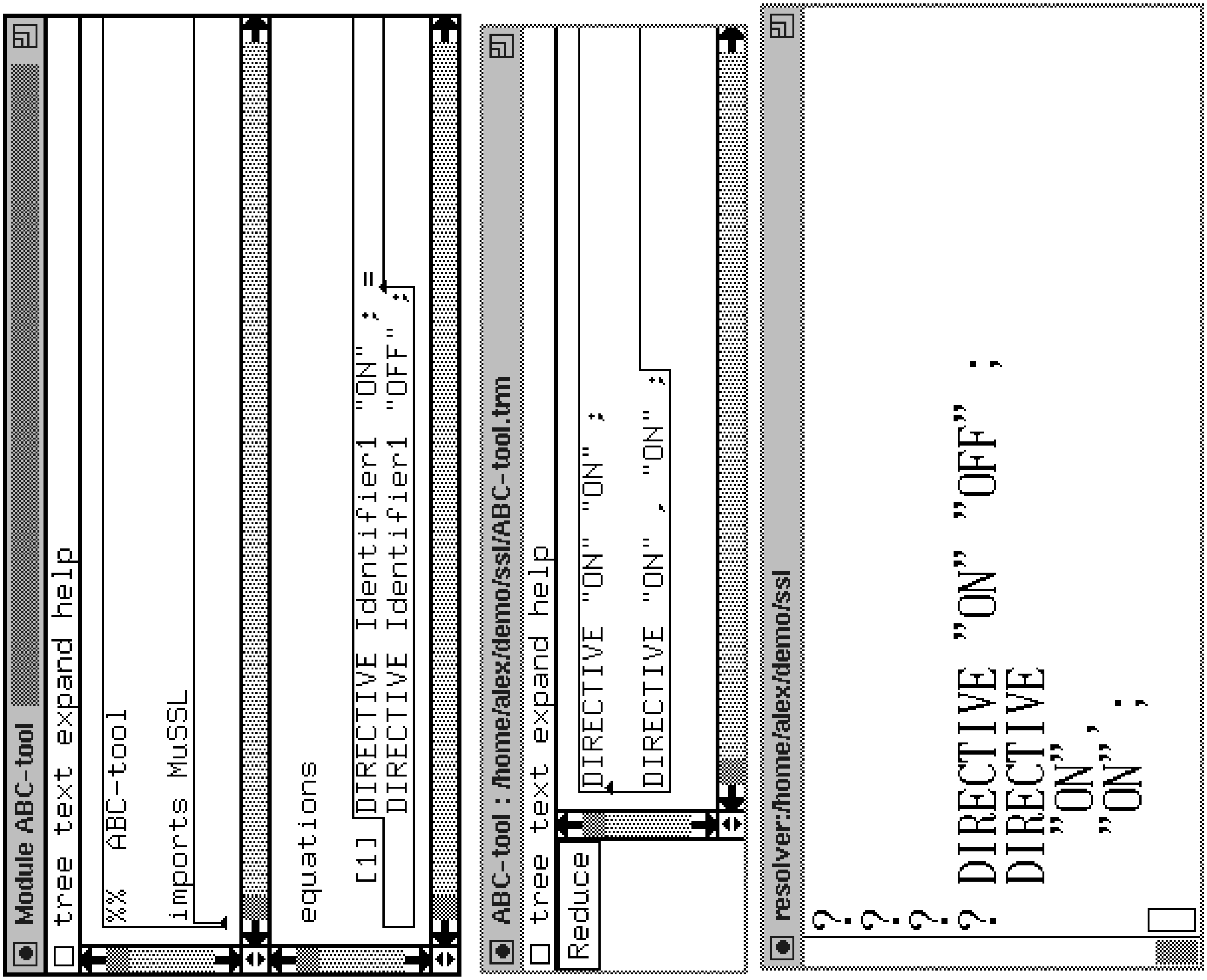
lexical syntax is missing



add lexical syntax in SDF module for μSSL



construct tool for μSSL



the end