Appendix B: Testcode

This appendix is a separate file. It contains the test code that can be inserted to debug the palindrome filter program. If the PALINDROME.PAS module is extracted from appendices A and B together, then the resulting module includes this test code.

B.1. Print the contents of IN_LINE and LETTERS

Correct reading of the input is crucial. For debugging purposes we may want to inspect the contents of IN_LINE and LETTERS. We need a local counter

```
(*******    Palindrome variables              #quick  *******)
    T :         INTEGER;
```

We want the debugging information te be clearly flagged as such.

```
(*****************  Palindrome (test)  ******************)
(** Check contents of IN_LINE and LETTERS.              **)
WRITELN;
WRITELN ('============  DEBUGGING INFORMATION  ==============');
WRITELN ('Contents of buffer IN_LINE: ');
WITH IN_LINE DO
FOR T := 1 TO LENGTH DO WRITE (OUTPUT, CHARS[T]);
WRITELN ('Contents of buffer LETTERS: ');
WITH LETTERS DO
FOR T := 1 TO LENGTH DO WRITE (OUTPUT, CHARS[T]);
WRITELN ('==========  END OF DEBUGGING INFORMATION  ==========');
WRITELN;
(*************  End of Palindrome (test)  ***************)
```