### 88.11.2   Better commented code

*perly.c*, *sv.c*, and *sv.h* have now been extensively commented.

### 88.11.3   Regex pre-/post-compilation items matched up

The regex compiler now maintains a structure that identifies nodes in the compiled bytecode with the corresponding syntactic features of the original regex expression. The information is attached to the new `offsets` member of the `struct regexp`. See *perldebguts* for more complete information.

### 88.11.4   gcc -Wall

The C code has been made much more `gcc -Wall` clean. Some warning messages still remain, though, so if you are compiling with gcc you will see some warnings about dubious practices. The warnings are being worked on.

## 88.12   New Tests

Several new tests have been added, especially for the *lib* subsection.

The tests are now reported in a different order than in earlier Perls. (This happens because the test scripts from under t/lib have been moved to be closer to the library/extension they are testing.)

## 88.13   Known Problems

Note that unlike other sections in this document (which describe changes since 5.7.0) this section is cumulative containing known problems for all the 5.7 releases.

### 88.13.1   AIX

- In AIX 4.2 Perl extensions that use C++ functions that use statics may have problems in that the statics are not getting initialized. In newer AIX releases this has been solved by linking Perl with the libC_r library, but unfortunately in AIX 4.2 the said library has an obscure bug where the various functions related to time (such as time() and gettimeofday()) return broken values, and therefore in AIX 4.2 Perl is not linked against the libC_r.

- vac 5.0.0.0 May Produce Buggy Code For Perl

  The AIX C compiler vac version 5.0.0.0 may produce buggy code, resulting in few random tests failing, but when the failing tests are run by hand, they succeed. We suggest upgrading to at least vac version 5.0.1.0, that has been known to compile Perl correctly. "lslpp -L|grep vac.C" will tell you the vac version.

### 88.13.2   Amiga Perl Invoking Mystery

One cannot call Perl using the `volume:` syntax, that is, `perl -v` works, but for example `bin:perl -v` doesn't. The exact reason is known but the current suspect is the *ixemul* library.

### 88.13.3   lib/ftmp-security tests warn 'system possibly insecure'

Don't panic. Read INSTALL 'make test' section instead.

### 88.13.4   Cygwin intermittent failures of lib/Memoize/t/expire_file 11 and 12

The subtests 11 and 12 sometimes fail and sometimes work.