

```
; Loading #P"/home/pjb/src/lisp/check-pathnames/check-pathnames.lisp". .. comment .. comment -*-
mode:rst -*- .. comment
```

Output of this script should be formatted as a reStructured text, so that it can be rendered nicely and readably.

1 check-pathnames of CMU Common Lisp (20b (20B Unicode))

1.1 Table of Contents

Contents

1	check-pathnames of CMU Common Lisp (20b (20B Unicode))	1
1.1	Table of Contents	1
1.2	Introduction	2
1.3	Preliminary checks	2
1.4	Pathname Accessor Checks with :CASE :COMMON	3
1.5	Pathname Accessor Checks with :CASE :LOCAL (customary case is lower)	3
1.6	Logical Pathname Construction Checks	3
1.7	Logical Pathname Translation Checks	3
1.8	Unix Pathname Construction Checks	3
1.9	Checking Translations between logical pathnames	3
1.9.1	Check TRANSLATE-PATHNAME/LOGICAL/SELF/R4/DIRECTORY	3
1.9.2	Check TRANSLATE-PATHNAME/LOGICAL/LOGICAL/R5/DIRECTORY	5
1.10	Checking Translations from logical pathname to physical pathname	6
1.10.1	Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/1A	6
1.10.2	Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/2A	7
1.10.3	Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/3A	8
1.10.4	Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/4A	10
1.10.5	Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/5A	11
1.10.6	Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/6A	13
1.10.7	Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/1B	14
1.10.8	Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/2B	16
1.10.9	Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/3B	17
1.10.10	Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/1C	18
1.10.11	Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/2C	20
1.10.12	Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/3C	21
1.11	Checking Translations from physical pathname to logical pathname	23

1.2 Introduction

Test and probe conforming logical pathnames, and their translation to unix physical pathnames.

We want to check the good working of logical pathnames, and the translation of logical pathnames to physical pathnames, in a semi-standard way on unix systems.

Namely, given the logical hosts and their translations:

```
(setf (logical-pathname-translations "LOGICAL") nil)
(setf (logical-pathname-translations "LOGICAL")
      '((#P"LOGICAL:**;*. *" #P"/tmp/**/*.*")
        (#P"LOGICAL:**;*. *" #P"/tmp/**/*.*")))
(setf (logical-pathname-translations "LOG1") nil)
(setf (logical-pathname-translations "LOG1")
      '((#P"LOG1:**;*. *" #P"/tmp/log1/**/*.*")
        (#P"LOG1:**;*. *" #P"/tmp/log1/**/*.*")))
(setf (logical-pathname-translations "LOG2") nil)
(setf (logical-pathname-translations "LOG2")
      '((#P"LOG2:**;*. *" #P"/tmp/log2/**/*.*")
        (#P"LOG2:**;*. *" #P"/tmp/log2/**/*.*")))
```

Then:

```
#P"LOGICAL:DIR;SUBDIR;NAME.TYPE.NEWEST"
```

must be the same as:

```
(make-pathname :host "LOGICAL"
               :directory '(:absolute "DIR" "SUBDIR")
               :name "NAME" :type "TYPE" :version :newest
               :case :common)
```

and must translate to: #P"/tmp/dir/subdir/name.type" on unix.

Merging physical pathnames specified with :case :common is also tested:

```
(merge-pathnames (make-pathname :directory '(:relative "DIR" "SUBDIR")
                                :name "NAME" :type "TYPE" :version :newest
                                :case :common :default #1=#P"/tmp/")
                  #1# nil)
```

must give #P"/tmp/dir/subdir/name.type" on unix.

(An empty section means that all tests passed successfully).

1.3 Preliminary checks

With CMU Common Lisp (20b (20B Unicode)) on Linux, the customary case for the file system of the host "" of the pathname "/tmp/name.type" seems to be lower case. Which was expected.

```
*FEATURES* = (:GERDS-PCL :PCL-STRUCTURES :PORTABLE-COMMONLOOPS :PCL :CMU20
              :CMU20B :PYTHON :CONSERVATIVE-FLOAT-TYPE :MODULAR-ARITH :MP :X86
              :SSE2 :LINKAGE-TABLE :RELATIVE-PACKAGE-NAMES :EXECUTABLE :ELF
              :LINUX :GLIBC2 :UNIX :RANDOM-MT19937 :GENCGC :UNICODE
              :COMPLEX-FP-VOPS :PENTIUM :I486 :HASH-NEW :DOUBLE-DOUBLE
              :HEAP-OVERFLOW-CHECK :STACK-CHECKING :COMMON :COMMON-LISP
              :ANSI-CL :IEEE-FLOATING-POINT :CMU)
```

1.4 Pathname Accessor Checks with :CASE :COMMON

We're considering the pathname built with:

```
(MAKE-PATHNAME :HOST "LOGICAL"  
               :DEVICE :UNSPECIFIC  
               :DIRECTORY (:ABSOLUTE "DIR" "SUBDIR")  
               :NAME "NAME"  
               :TYPE "TYPE"  
               :VERSION :NEWEST  
               :CASE :COMMON)
```

is a LOGICAL-PATHNAME: #P"LOGICAL:DIR;SUBDIR;NAME.TYPE.NEWEST"

The fields of this pathname with :case :common are:

```
Host : "LOGICAL"  
Device : :UNSPECIFIC  
Directory : (:ABSOLUTE "DIR" "SUBDIR")  
Name : "NAME"  
Type : "TYPE"  
Version : :NEWEST
```

1.5 Pathname Accessor Checks with :CASE :LOCAL (customary case is lower)

We're considering the pathname built with:

```
(MAKE-PATHNAME :HOST "logical"  
               :DEVICE :UNSPECIFIC  
               :DIRECTORY (:ABSOLUTE "dir" "subdir")  
               :NAME "name"  
               :TYPE "type"  
               :VERSION :NEWEST  
               :CASE :LOCAL)
```

is a LOGICAL-PATHNAME: #P"LOGICAL:DIR;SUBDIR;NAME.TYPE.NEWEST"

The fields of this pathname with :case :common are:

```
Host : "LOGICAL"  
Device : :UNSPECIFIC  
Directory : (:ABSOLUTE "DIR" "SUBDIR")  
Name : "NAME"  
Type : "TYPE"  
Version : :NEWEST
```

1.6 Logical Pathname Construction Checks

1.7 Logical Pathname Translation Checks

1.8 Unix Pathname Construction Checks

1.9 Checking Translations between logical pathnames

1.9.1 Check TRANSLATE-PATHNAME/LOGICAL/SELF/R4/DIRECTORY

Failed assertion:

(AND (PATHNAMEP TRANSLATED) (PATHNAME-EQUAL TRANSLATED EXPECTED :CASE :COMMON))

Logical-Pathname PATH = #P"LOG1:ABC;DEF;NAME.TYP"
is a LOGICAL-PATHNAME: #P"LOG1:ABC;DEF;NAME.TYP"
The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : NIL

Logical-Pathname FROM-PAT = #P"LOG1:ABC;DEF;*.*)" is a LOGICAL-PATHNAME: #P"LOG1:ABC;DEF;*.*)" The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "ABC" "DEF")
Name : :WILD
Type : :WILD
Version : NIL

Logical-Pathname TO-PAT = #P"LOG1:*.*)" is a LOGICAL-PATHNAME: #P"LOG1:*.*)" The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE :WILD-INFERIORS)
Name : :WILD
Type : :WILD
Version : NIL

Logical-Pathname TRANSLATED = (CHECKED-TRANSLATE-PATHNAME PATH FROM-PAT TO-PAT)
is a LOGICAL-PATHNAME: #P"LOG1:NAME.TYP"
The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE)
Name : "NAME"
Type : "TYP"
Version : NIL

Logical-Pathname EXPECTED = #P"LOG1:ABC;DEF;NAME.TYP"
is a LOGICAL-PATHNAME: #P"LOG1:ABC;DEF;NAME.TYP"
The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : NIL

translate-pathname should work within the same logical host.

1.9.2 Check TRANSLATE-PATHNAME/LOGICAL/LOGICAL/R5/DIRECTORY

Failed assertion:

```
(AND (PATHNAMEP TRANSLATED) (PATHNAME-EQUAL TRANSLATED EXPECTED :CASE :COMMON))
```

Logical-Pathname PATH = #P"LOG1:ABC;DEF;NAME.TYP"

is a LOGICAL-PATHNAME: #P"LOG1:ABC;DEF;NAME.TYP"

The fields of this pathname with :case :common are:

```
Host : "LOG1"  
Device : :UNSPECIFIC  
Directory : (:ABSOLUTE "ABC" "DEF")  
Name : "NAME"  
Type : "TYP"  
Version : NIL
```

Logical-Pathname FROM-PAT = #P"LOG1:ABC;DEF;*.*)"

is a LOGICAL-PATHNAME: #P"LOG1:ABC;DEF;*.*)"

The fields of this pathname with :case :common are:

```
Host : "LOG1"  
Device : :UNSPECIFIC  
Directory : (:ABSOLUTE "ABC" "DEF")  
Name : :WILD  
Type : :WILD  
Version : NIL
```

Logical-Pathname TO-PAT = #P"LOG2:UVW;XYZ.**)"

is a LOGICAL-PATHNAME: #P"LOG2:UVW;XYZ.**)"

The fields of this pathname with :case :common are:

```
Host : "LOG2"  
Device : :UNSPECIFIC  
Directory : (:ABSOLUTE "UVW")  
Name : "XYZ"  
Type : :WILD  
Version : :WILD
```

```
Logical-Pathname TRANSLATED = (CHECKED-TRANSLATE-PATHNAME PATH FROM-PAT TO-PAT)
```

is a LOGICAL-PATHNAME: #P"LOG2:UVW;XYZ.TYP"

The fields of this pathname with :case :common are:

```
Host : "LOG2"  
Device : :UNSPECIFIC  
Directory : (:ABSOLUTE "UVW")  
Name : "XYZ"  
Type : "TYP"  
Version : NIL
```

Logical-Pathname EXPECTED = #P"LOG2:UVW;XYZ;NAME.TYP"

is a LOGICAL-PATHNAME: #P"LOG2:UVW;XYZ;NAME.TYP"

The fields of this pathname with :case :common are:

```
Host : "LOG2"  
Device : :UNSPECIFIC  
Directory : (:ABSOLUTE "UVW" "XYZ")  
Name : "NAME"  
Type : "TYP"  
Version : NIL
```

translate-pathname should work from logical pathname to logical pathname.

1.10 Checking Translations from logical pathname to physical pathname

1.10.1 Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/1A

Failed assertion:

```
(AND (PATHNAMEP TRANSLATED) (PATHNAME-EQUAL TRANSLATED EXPECTED :CASE :LOCAL))
```

```
Logical-Pathname PATH = #P"LOG1:ABC;DEF;NAME.TYP"  
is a LOGICAL-PATHNAME: #P"LOG1:ABC;DEF;NAME.TYP"
```

The fields of this pathname with :case :common are:

```
Host : "LOG1"  
Device : :UNSPECIFIC  
Directory : (:ABSOLUTE "ABC" "DEF")  
Name : "NAME"  
Type : "TYP"  
Version : NIL
```

```
Logical-Pathname FROM-PAT = #P"LOG1:**;*.**"  
is a LOGICAL-PATHNAME: #P"LOG1:**;*.**"
```

The fields of this pathname with :case :common are:

```
Host : "LOG1"  
Device : :UNSPECIFIC  
Directory : (:ABSOLUTE :WILD-INFERIORS)  
Name : :WILD  
Type : :WILD  
Version : NIL
```

```
Pathname TO-PAT = #P"/tmp/log3/**/*.*"  
is a PATHNAME: #P"/tmp/log3/**/*.*"
```

The fields of this pathname with :case :local (default) are:

```
Host : ""  
Device : NIL  
Directory : (:ABSOLUTE "tmp" "log3" :WILD-INFERIORS)  
Name : :WILD  
Type : :WILD  
Version : NIL
```

The fields of this pathname with :case :common are:

```
Host : ""  
Device : NIL  
Directory : (:ABSOLUTE "TMP" "LOG3" :WILD-INFERIORS)  
Name : :WILD  
Type : :WILD  
Version : NIL
```

```
Pathname TRANSLATED = (CHECKED-TRANSLATE-PATHNAME PATH FROM-PAT TO-PAT)  
is a PATHNAME: #P"/tmp/log3/abc/def/name.typ"
```

The fields of this pathname with :case :local (default) are:

```
Host : ""  
Device : :UNSPECIFIC  
Directory : (:ABSOLUTE "tmp" "log3" "abc" "def")  
Name : "name"
```

Type : "typ"
Version : NIL
The fields of this pathname with :case :common are:
Host : ""
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "TMP" "LOG3" "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : NIL

Pathname EXPECTED = #P"/tmp/log3/abc/def/name.typ"
is a PATHNAME: #P"/tmp/log3/abc/def/name.typ"
The fields of this pathname with :case :local (default) are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "abc" "def")
Name : "name"
Type : "typ"
Version : NIL
The fields of this pathname with :case :common are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : NIL

translate-pathname should work from logical pathname to physical pathname, translating to customary case.

1.10.2 Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/2A

Failed assertion:

(AND (PATHNAMEP TRANSLATED) (PATHNAME-EQUAL TRANSLATED EXPECTED :CASE :LOCAL))

Logical-Pathname PATH = #P"LOG1:ABC;DEF;NAME.TYP"
is a LOGICAL-PATHNAME: #P"LOG1:ABC;DEF;NAME.TYP"
The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : NIL

Logical-Pathname FROM-PAT = #P"LOG1:**,*.*"
is a LOGICAL-PATHNAME: #P"LOG1:**,*.*"
The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE :WILD-INFERIORS)
Name : :WILD
Type : :WILD
Version : NIL

Pathname TO-PAT = #P"/tmp/log3/**/xyz/*.*"

is a PATHNAME: #P"/tmp/log3/**/xyz/*.*"

The fields of this pathname with :case :local (default) are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" :WILD-INFERIORS "xyz")
Name : :WILD
Type : :WILD
Version : NIL

The fields of this pathname with :case :common are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" :WILD-INFERIORS "XYZ")
Name : :WILD
Type : :WILD
Version : NIL

Pathname TRANSLATED = (CHECKED-TRANSLATE-PATHNAME PATH FROM-PAT TO-PAT)

is a PATHNAME: #P"/tmp/log3/abc/def/xyz/name.typ"

The fields of this pathname with :case :local (default) are:

Host : ""
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "tmp" "log3" "abc" "def" "xyz")
Name : "name"
Type : "typ"
Version : NIL

The fields of this pathname with :case :common are:

Host : ""
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "TMP" "LOG3" "ABC" "DEF" "XYZ")
Name : "NAME"
Type : "TYP"
Version : NIL

Pathname EXPECTED = #P"/tmp/log3/abc/def/xyz/name.typ"

is a PATHNAME: #P"/tmp/log3/abc/def/xyz/name.typ"

The fields of this pathname with :case :local (default) are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "abc" "def" "xyz")
Name : "name"
Type : "typ"
Version : NIL

The fields of this pathname with :case :common are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "ABC" "DEF" "XYZ")
Name : "NAME"
Type : "TYP"
Version : NIL

translate-pathname should work from logical pathname to physical pathname, translating to customary case.

1.10.3 Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/3A

Failed assertion:

(AND (PATHNAMEP TRANSLATED) (PATHNAME-EQUAL TRANSLATED EXPECTED :CASE :LOCAL))

Logical-Pathname PATH = #P"LOG1:ABC;DEF;NAME.TYP"

is a LOGICAL-PATHNAME: #P"LOG1:ABC;DEF;NAME.TYP"

The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : NIL

Logical-Pathname FROM-PAT = #P"LOG1:**;*.**"

is a LOGICAL-PATHNAME: #P"LOG1:**;*.**"

The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE :WILD-INFERIORS)
Name : :WILD
Type : :WILD
Version : NIL

Pathname TO-PAT = #P"/tmp/log3/uvw/**/*.*"

is a PATHNAME: #P"/tmp/log3/uvw/**/*.*"

The fields of this pathname with :case :local (default) are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "uvw" :WILD-INFERIORS)
Name : :WILD
Type : :WILD
Version : NIL

The fields of this pathname with :case :common are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "UVW" :WILD-INFERIORS)
Name : :WILD
Type : :WILD
Version : NIL

Pathname TRANSLATED = (CHECKED-TRANSLATE-PATHNAME PATH FROM-PAT TO-PAT)

is a PATHNAME: #P"/tmp/log3/uvw/abc/def/name.typ"

The fields of this pathname with :case :local (default) are:

Host : ""
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "tmp" "log3" "uvw" "abc" "def")
Name : "name"
Type : "typ"
Version : NIL

The fields of this pathname with :case :common are:

Host : ""
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "TMP" "LOG3" "UVW" "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : NIL

Pathname EXPECTED = #P"/tmp/log3/uvw/abc/def/name.typ"
is a PATHNAME: #P"/tmp/log3/uvw/abc/def/name.typ"
The fields of this pathname with :case :local (default) are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "uvw" "abc" "def")
Name : "name"
Type : "typ"
Version : NIL

The fields of this pathname with :case :common are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "UVW" "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : NIL

translate-pathname should work from logical pathname to physical pathname, translating to customary case.

1.10.4 Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/4A

Failed assertion:

(AND (PATHNAMEP TRANSLATED) (PATHNAME-EQUAL TRANSLATED EXPECTED :CASE :LOCAL))

Logical-Pathname PATH = #P"LOG1:ABC;DEF;NAME.TYP"
is a LOGICAL-PATHNAME: #P"LOG1:ABC;DEF;NAME.TYP"
The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : NIL

Logical-Pathname FROM-PAT = #P"LOG1:*,*. *"
is a LOGICAL-PATHNAME: #P"LOG1:*,*. *"
The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE :WILD-INFERIORS)
Name : :WILD
Type : :WILD
Version : NIL

Pathname TO-PAT = #P"/tmp/log3/uvw/**/xyz/*.*"
is a PATHNAME: #P"/tmp/log3/uvw/**/xyz/*.*"
The fields of this pathname with :case :local (default) are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "uvw" :WILD-INFERIORS "xyz")
Name : :WILD
Type : :WILD
Version : NIL

The fields of this pathname with :case :common are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "UVW" :WILD-INFERIORS "XYZ")
Name : :WILD
Type : :WILD
Version : NIL

Pathname TRANSLATED = (CHECKED-TRANSLATE-PATHNAME PATH FROM-PAT TO-PAT)
is a PATHNAME: #P"/tmp/log3/uvw/abc/def/xyz/name.typ"
The fields of this pathname with :case :local (default) are:

Host : ""
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "tmp" "log3" "uvw" "abc" "def" "xyz")
Name : "name"
Type : "typ"
Version : NIL

The fields of this pathname with :case :common are:

Host : ""
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "TMP" "LOG3" "UVW" "ABC" "DEF" "XYZ")
Name : "NAME"
Type : "TYP"
Version : NIL

Pathname EXPECTED = #P"/tmp/log3/uvw/abc/def/xyz/name.typ"
is a PATHNAME: #P"/tmp/log3/uvw/abc/def/xyz/name.typ"
The fields of this pathname with :case :local (default) are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "uvw" "abc" "def" "xyz")
Name : "name"
Type : "typ"
Version : NIL

The fields of this pathname with :case :common are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "UVW" "ABC" "DEF" "XYZ")
Name : "NAME"
Type : "TYP"
Version : NIL

translate-pathname should work from logical pathname to physical pathname, translating to customary case.

1.10.5 Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/5A

Failed assertion:

(AND (PATHNAMEP TRANSLATED) (PATHNAME-EQUAL TRANSLATED EXPECTED :CASE :LOCAL))

Logical-Pathname PATH = #P"LOG1:ABC;DEF;NAME.TYP"
is a LOGICAL-PATHNAME: #P"LOG1:ABC;DEF;NAME.TYP"
The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "ABC" "DEF")

Name : "NAME"
Type : "TYP"
Version : NIL

Logical-Pathname FROM-PAT = #P"LOG1:*;*;*.**"
is a LOGICAL-PATHNAME: #P"LOG1:*;*;*.**"

The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE :WILD :WILD)
Name : :WILD
Type : :WILD
Version : NIL

Pathname TO-PAT = #P"/tmp/log3/uvw/*/xyz/*.*"
is a PATHNAME: #P"/tmp/log3/uvw/*/xyz/*.*"

The fields of this pathname with :case :local (default) are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "uvw" :WILD "xyz")
Name : :WILD
Type : :WILD
Version : NIL

The fields of this pathname with :case :common are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "UVW" :WILD "XYZ")
Name : :WILD
Type : :WILD
Version : NIL

Pathname TRANSLATED = (CHECKED-TRANSLATE-PATHNAME PATH FROM-PAT TO-PAT)
is a PATHNAME: #P"/tmp/log3/uvw/abc/xyz/name.typ"

The fields of this pathname with :case :local (default) are:

Host : ""
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "tmp" "log3" "uvw" "abc" "xyz")
Name : "name"
Type : "typ"
Version : NIL

The fields of this pathname with :case :common are:

Host : ""
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "TMP" "LOG3" "UVW" "ABC" "XYZ")
Name : "NAME"
Type : "TYP"
Version : NIL

Pathname EXPECTED = #P"/tmp/log3/uvw/abc/xyz/name.typ"
is a PATHNAME: #P"/tmp/log3/uvw/abc/xyz/name.typ"

The fields of this pathname with :case :local (default) are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "uvw" "abc" "xyz")
Name : "name"
Type : "typ"

Version : NIL
The fields of this pathname with :case :common are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "UVW" "ABC" "XYZ")
Name : "NAME"
Type : "TYP"
Version : NIL

translate-pathname should work from logical pathname to physical pathname, translating to customary case.

1.10.6 Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/6A

Failed assertion:

(AND (PATHNAMEP TRANSLATED) (PATHNAME-EQUAL TRANSLATED EXPECTED :CASE :LOCAL))

Logical-Pathname PATH = #P"LOG1:ABC;DEF;NAME.TYP"
is a LOGICAL-PATHNAME: #P"LOG1:ABC;DEF;NAME.TYP"
The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : NIL

Logical-Pathname FROM-PAT = #P"LOG1:*,*,*."
is a LOGICAL-PATHNAME: #P"LOG1:*,*,*."

The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE :WILD :WILD)
Name : :WILD
Type : :WILD
Version : NIL

Pathname TO-PAT = #P"/tmp/log3/rst*/uvw*/xyz/*."
is a PATHNAME: #P"/tmp/log3/rst*/uvw*/xyz/*."

The fields of this pathname with :case :local (default) are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "rst" :WILD "uvw" :WILD "xyz")
Name : :WILD
Type : :WILD
Version : NIL

The fields of this pathname with :case :common are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "RST" :WILD "UVW" :WILD "XYZ")
Name : :WILD
Type : :WILD
Version : NIL

Pathname TRANSLATED = (CHECKED-TRANSLATE-PATHNAME PATH FROM-PAT TO-PAT)
is a PATHNAME: #P"/tmp/log3/rst/abc/uvw/def/xyz/name.typ"

The fields of this pathname with :case :local (default) are:

Host : ""
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "tmp" "log3" "rst" "abc" "uvw" "def" "xyz")
Name : "name"
Type : "typ"
Version : NIL

The fields of this pathname with :case :common are:

Host : ""
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "TMP" "LOG3" "RST" "ABC" "UVW" "DEF" "XYZ")
Name : "NAME"
Type : "TYP"
Version : NIL

Pathname EXPECTED = #P"/tmp/log3/rst/abc/uvw/def/xyz/name.typ"
is a PATHNAME: #P"/tmp/log3/rst/abc/uvw/def/xyz/name.typ"

The fields of this pathname with :case :local (default) are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "rst" "abc" "uvw" "def" "xyz")
Name : "name"
Type : "typ"
Version : NIL

The fields of this pathname with :case :common are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "RST" "ABC" "UVW" "DEF" "XYZ")
Name : "NAME"
Type : "TYP"
Version : NIL

translate-pathname should work from logical pathname to physical pathname, translating to customary case.

1.10.7 Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/1B

Failed assertion:

(AND (PATHNAMEP TRANSLATED) (PATHNAME-EQUAL TRANSLATED EXPECTED :CASE :LOCAL))

Logical-Pathname PATH = #P"LOG1:ABC;DEF;NAME.TYP"
is a LOGICAL-PATHNAME: #P"LOG1:ABC;DEF;NAME.TYP"

The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : NIL

Logical-Pathname FROM-PAT = #P"LOG1:ABC;DEF;*. *"
is a LOGICAL-PATHNAME: #P"LOG1:ABC;DEF;*. *"

The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC

Directory : (:ABSOLUTE "ABC" "DEF")
Name : :WILD
Type : :WILD
Version : NIL

Pathname TO-PAT = #P"/tmp/log3/**/*.*"
is a PATHNAME: #P"/tmp/log3/**/*.*"

The fields of this pathname with :case :local (default) are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" :WILD-INFERIORS)
Name : :WILD
Type : :WILD
Version : NIL

The fields of this pathname with :case :common are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" :WILD-INFERIORS)
Name : :WILD
Type : :WILD
Version : NIL

Pathname TRANSLATED = (CHECKED-TRANSLATE-PATHNAME PATH FROM-PAT TO-PAT)
is a PATHNAME: #P"/tmp/log3/name.typ"

The fields of this pathname with :case :local (default) are:

Host : ""
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "tmp" "log3")
Name : "name"
Type : "typ"
Version : NIL

The fields of this pathname with :case :common are:

Host : ""
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "TMP" "LOG3")
Name : "NAME"
Type : "TYP"
Version : NIL

Pathname EXPECTED = #P"/tmp/log3/abc/def/name.typ"
is a PATHNAME: #P"/tmp/log3/abc/def/name.typ"

The fields of this pathname with :case :local (default) are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "abc" "def")
Name : "name"
Type : "typ"
Version : NIL

The fields of this pathname with :case :common are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : NIL

translate-pathname should work from logical pathname to physical pathname, translating to customary case.

1.10.8 Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/2B

Failed assertion:

```
(AND (PATHNAMEP TRANSLATED) (PATHNAME-EQUAL TRANSLATED EXPECTED :CASE :LOCAL))
```

```
Logical-Pathname PATH = #P"LOG1:ABC;DEF;NAME.TYP"  
is a LOGICAL-PATHNAME: #P"LOG1:ABC;DEF;NAME.TYP"  
The fields of this pathname with :case :common are:
```

```
Host : "LOG1"  
Device : :UNSPECIFIC  
Directory : (:ABSOLUTE "ABC" "DEF")  
Name : "NAME"  
Type : "TYP"  
Version : NIL
```

```
Logical-Pathname FROM-PAT = #P"LOG1:**;NAME.*"  
is a LOGICAL-PATHNAME: #P"LOG1:**;NAME.*"  
The fields of this pathname with :case :common are:
```

```
Host : "LOG1"  
Device : :UNSPECIFIC  
Directory : (:ABSOLUTE :WILD-INFERIORS)  
Name : "NAME"  
Type : :WILD  
Version : NIL
```

```
Pathname TO-PAT = #P"/tmp/log3/**/*.*"  
is a PATHNAME: #P"/tmp/log3/**/*.*"  
The fields of this pathname with :case :local (default) are:
```

```
Host : ""  
Device : NIL  
Directory : (:ABSOLUTE "tmp" "log3" :WILD-INFERIORS)  
Name : :WILD  
Type : :WILD  
Version : NIL
```

The fields of this pathname with :case :common are:

```
Host : ""  
Device : NIL  
Directory : (:ABSOLUTE "TMP" "LOG3" :WILD-INFERIORS)  
Name : :WILD  
Type : :WILD  
Version : NIL
```

```
Pathname TRANSLATED = (CHECKED-TRANSLATE-PATHNAME PATH FROM-PAT TO-PAT)  
is a PATHNAME: #P"/tmp/log3/abc/def/name.typ"  
The fields of this pathname with :case :local (default) are:
```

```
Host : ""  
Device : :UNSPECIFIC  
Directory : (:ABSOLUTE "tmp" "log3" "abc" "def")  
Name : "name"  
Type : "typ"  
Version : NIL
```

The fields of this pathname with :case :common are:

Host : ""
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "TMP" "LOG3" "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : NIL

Pathname EXPECTED = #P"/tmp/log3/abc/def/name.typ"
is a PATHNAME: #P"/tmp/log3/abc/def/name.typ"
The fields of this pathname with :case :local (default) are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "abc" "def")
Name : "name"
Type : "typ"
Version : NIL

The fields of this pathname with :case :common are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : NIL

translate-pathname should work from logical pathname to physical pathname, translating to customary case.

1.10.9 Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/3B

Failed assertion:

(AND (PATHNAMEP TRANSLATED) (PATHNAME-EQUAL TRANSLATED EXPECTED :CASE :LOCAL))

Logical-Pathname PATH = #P"LOG1:ABC;DEF;NAME.TYP"
is a LOGICAL-PATHNAME: #P"LOG1:ABC;DEF;NAME.TYP"
The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : NIL

Logical-Pathname FROM-PAT = #P"LOG1:**;.TYP"
is a LOGICAL-PATHNAME: #P"LOG1:**;.TYP"
The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE :WILD-INFERIORS)
Name : :WILD
Type : "TYP"
Version : NIL

Pathname TO-PAT = #P"/tmp/log3/**/*.*"
is a PATHNAME: #P"/tmp/log3/**/*.*"
The fields of this pathname with :case :local (default) are:

Host : ""

Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" :WILD-INFERIORS)
Name : :WILD
Type : :WILD
Version : NIL

The fields of this pathname with :case :common are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" :WILD-INFERIORS)
Name : :WILD
Type : :WILD
Version : NIL

Pathname TRANSLATED = (CHECKED-TRANSLATE-PATHNAME PATH FROM-PAT TO-PAT)
is a PATHNAME: #P"/tmp/log3/abc/def/name.typ"

The fields of this pathname with :case :local (default) are:

Host : ""
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "tmp" "log3" "abc" "def")
Name : "name"
Type : "typ"
Version : NIL

The fields of this pathname with :case :common are:

Host : ""
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "TMP" "LOG3" "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : NIL

Pathname EXPECTED = #P"/tmp/log3/abc/def/name.typ"
is a PATHNAME: #P"/tmp/log3/abc/def/name.typ"

The fields of this pathname with :case :local (default) are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "abc" "def")
Name : "name"
Type : "typ"
Version : NIL

The fields of this pathname with :case :common are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : NIL

translate-pathname should work from logical pathname to physical pathname, translating to customary case.

1.10.10 Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/1C

Failed assertion:

(AND (PATHNAMEP TRANSLATED) (PATHNAME-EQUAL TRANSLATED EXPECTED :CASE :LOCAL))

Logical-Pathname PATH = #P"LOG1:ABC;DEF;NAME.TYP"
is a LOGICAL-PATHNAME: #P"LOG1:ABC;DEF;NAME.TYP"
The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : NIL

Logical-Pathname FROM-PAT = #P"LOG1:ABC;DEF;*.**"
is a LOGICAL-PATHNAME: #P"LOG1:ABC;DEF;*.**"
The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "ABC" "DEF")
Name : :WILD
Type : :WILD
Version : NIL

Pathname TO-PAT = #P"/tmp/log3/uvw/xyz/*.**"
is a PATHNAME: #P"/tmp/log3/uvw/xyz/*.**"
The fields of this pathname with :case :local (default) are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "uvw" "xyz")
Name : :WILD
Type : :WILD
Version : NIL

The fields of this pathname with :case :common are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "UVW" "XYZ")
Name : :WILD
Type : :WILD
Version : NIL

Pathname TRANSLATED = (CHECKED-TRANSLATE-PATHNAME PATH FROM-PAT TO-PAT)
is a PATHNAME: #P"/tmp/log3/uvw/xyz/name.typ"
The fields of this pathname with :case :local (default) are:

Host : ""
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "tmp" "log3" "uvw" "xyz")
Name : "name"
Type : "typ"
Version : NIL

The fields of this pathname with :case :common are:

Host : ""
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "TMP" "LOG3" "UVW" "XYZ")
Name : "NAME"
Type : "TYP"
Version : NIL

Pathname EXPECTED = #P"/tmp/log3/uvw/xyz/name.typ"
is a PATHNAME: #P"/tmp/log3/uvw/xyz/name.typ"

The fields of this pathname with :case :local (default) are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "uvw" "xyz")
Name : "name"
Type : "typ"
Version : NIL

The fields of this pathname with :case :common are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "UVW" "XYZ")
Name : "NAME"
Type : "TYP"
Version : NIL

translate-pathname should work from logical pathname to physical pathname, translating to customary case.

1.10.11 Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/2C

Failed assertion:

(AND (PATHNAMEP TRANSLATED) (PATHNAME-EQUAL TRANSLATED EXPECTED :CASE :LOCAL))

Logical-Pathname PATH = #P"LOG1:ABC;DEF;NAME.TYP"
is a LOGICAL-PATHNAME: #P"LOG1:ABC;DEF;NAME.TYP"

The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : NIL

Logical-Pathname FROM-PAT = #P"LOG1:**;NAME.*"
is a LOGICAL-PATHNAME: #P"LOG1:**;NAME.*"

The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE :WILD-INFERIORS)
Name : "NAME"
Type : :WILD
Version : NIL

Pathname TO-PAT = #P"/tmp/log3/**/eman.*"
is a PATHNAME: #P"/tmp/log3/**/eman.*"

The fields of this pathname with :case :local (default) are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" :WILD-INFERIORS)
Name : "eman"
Type : :WILD
Version : NIL

The fields of this pathname with :case :common are:

Host : ""
Device : NIL

Directory : (:ABSOLUTE "TMP" "LOG3" :WILD-INFERIORS)
Name : "EMAN"
Type : :WILD
Version : NIL

Pathname TRANSLATED = (CHECKED-TRANSLATE-PATHNAME PATH FROM-PAT TO-PAT)
is a PATHNAME: #P"/tmp/log3/abc/def/eman.typ"

The fields of this pathname with :case :local (default) are:

Host : ""
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "tmp" "log3" "abc" "def")
Name : "eman"
Type : "typ"
Version : NIL

The fields of this pathname with :case :common are:

Host : ""
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "TMP" "LOG3" "ABC" "DEF")
Name : "EMAN"
Type : "TYP"
Version : NIL

Pathname EXPECTED = #P"/tmp/log3/abc/def/eman.typ"
is a PATHNAME: #P"/tmp/log3/abc/def/eman.typ"

The fields of this pathname with :case :local (default) are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "abc" "def")
Name : "eman"
Type : "typ"
Version : NIL

The fields of this pathname with :case :common are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "ABC" "DEF")
Name : "EMAN"
Type : "TYP"
Version : NIL

translate-pathname should work from logical pathname to physical pathname, translating to customary case.

1.10.12 Check UNIX/TRANSLATE-PATHNAME/LOGICAL/PHYSICAL/3C

Failed assertion:

(AND (PATHNAMEP TRANSLATED) (PATHNAME-EQUAL TRANSLATED EXPECTED :CASE :LOCAL))

Logical-Pathname PATH = #P"LOG1:ABC;DEF;NAME.TYP"

is a LOGICAL-PATHNAME: #P"LOG1:ABC;DEF;NAME.TYP"

The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "ABC" "DEF")
Name : "NAME"
Type : "TYP"
Version : NIL

Logical-Pathname FROM-PAT = #P"LOG1:**;*.TYP"
is a LOGICAL-PATHNAME: #P"LOG1:**;*.TYP"
The fields of this pathname with :case :common are:

Host : "LOG1"
Device : :UNSPECIFIC
Directory : (:ABSOLUTE :WILD-INFERIORS)
Name : :WILD
Type : "TYP"
Version : NIL

Pathname TO-PAT = #P"/tmp/log3/**/*.*.pyt"
is a PATHNAME: #P"/tmp/log3/**/*.*.pyt"
The fields of this pathname with :case :local (default) are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" :WILD-INFERIORS)
Name : :WILD
Type : "pyt"
Version : NIL

The fields of this pathname with :case :common are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" :WILD-INFERIORS)
Name : :WILD
Type : "PYT"
Version : NIL

Pathname TRANSLATED = (CHECKED-TRANSLATE-PATHNAME PATH FROM-PAT TO-PAT)
is a PATHNAME: #P"/tmp/log3/abc/def/name.pyt"
The fields of this pathname with :case :local (default) are:

Host : ""
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "tmp" "log3" "abc" "def")
Name : "name"
Type : "pyt"
Version : NIL

The fields of this pathname with :case :common are:

Host : ""
Device : :UNSPECIFIC
Directory : (:ABSOLUTE "TMP" "LOG3" "ABC" "DEF")
Name : "NAME"
Type : "PYT"
Version : NIL

Pathname EXPECTED = #P"/tmp/log3/abc/def/name.pyt"
is a PATHNAME: #P"/tmp/log3/abc/def/name.pyt"
The fields of this pathname with :case :local (default) are:

Host : ""
Device : NIL
Directory : (:ABSOLUTE "tmp" "log3" "abc" "def")
Name : "name"
Type : "pyt"
Version : NIL

The fields of this pathname with :case :common are:

Host : ""

Device : NIL
Directory : (:ABSOLUTE "TMP" "LOG3" "ABC" "DEF")
Name : "NAME"
Type : "PYT"
Version : NIL

translate-pathname should work from logical pathname to physical pathname, translating to customary case.

1.11 Checking Translations from physical pathname to logical pathname