

# check-pathnames of Armed Bear Common Lisp (0.24.0-dev)

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## 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:

```
(self (logical-pathname-translations "LOGICAL") nil)  
(self (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/**/*.*")
        (setf (logical-pathname-translations "LOG2") nil)
        (setf (logical-pathname-translations "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).

### 3 Preliminary checks

With Armed Bear Common Lisp (0.24.0-dev) on Linux, the customary case for the file system of the host NIL of the pathname "/tmp/name.type" seems to be lower case. Which was expected.

```

*FEATURES* = (:X86-64 :JAVA-1.6 :ARMEDBEAR :ABCL :COMMON-LISP :ANSI-CL :UNIX
              :LINUX :CDR6)

```

### 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

## 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

## 6 Logical Pathname Construction Checks

## 7 Logical Pathname Translation Checks

## 8 Unix Pathname Construction Checks

### 8.1 Check

#### UNIX/MERGE-PATHNAMES/MAKE-PATHNAME/CASE-COMMON/DIRECTORY

Failed assertion:

```
(DIRLIST= '(:ABSOLUTE "tmp" "dir" "subdir")  
          (PATHNAME-DIRECTORY PATH :CASE :LOCAL))  
Pathname PATH = (MERGE-PATHNAMES (MAKE-PATHNAME :DIRECTORY
```

```
('(:RELATIVE "DIR" "SUBDIR")
:NAME
"NAME"
:TYPE
"TYPE"
:CASE
:COMMON
:DEFAULTS
#P"/tmp/")
```

```
#P"/tmp/"
NIL)
```

is a PATHNAME: #P"/tmp/DIR/SUBDIR/NAME.TYPE"

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

```
Host : NIL
Device : NIL
Directory : (:ABSOLUTE "tmp" "DIR" "SUBDIR")
Name : "NAME"
Type : "TYPE"
Version : NIL
```

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

```
Host : NIL
Device : NIL
Directory : (:ABSOLUTE "tmp" "DIR" "SUBDIR")
Name : "NAME"
Type : "TYPE"
Version : NIL
```

## 8.2 Check

### UNIX/MERGE-PATHNAMES/MAKE-PATHNAME/CASE-COMMON/NAME

Failed assertion:

```
(EQUAL "name" (PATHNAME-NAME PATH :CASE :LOCAL))
```

```
Pathname PATH = (MERGE-PATHNAMES (MAKE-PATHNAME :DIRECTORY
```

```
('(:RELATIVE "DIR" "SUBDIR")
:NAME
"NAME"
:TYPE
"TYPE"
:CASE
:COMMON
:DEFAULTS
#P"/tmp/")
```

```
#P"/tmp/"
NIL)
```

is a PATHNAME: #P"/tmp/DIR/SUBDIR/NAME.TYPE"

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

```
Host : NIL
Device : NIL
Directory : (:ABSOLUTE "tmp" "DIR" "SUBDIR")
Name : "NAME"
Type : "TYPE"
Version : NIL
```

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

Host : NIL  
Device : NIL  
Directory : (:ABSOLUTE "tmp" "DIR" "SUBDIR")  
Name : "NAME"  
Type : "TYPE"  
Version : NIL

### 8.3 Check

#### UNIX/MERGE-PATHNAMES/MAKE-PATHNAME/CASE-COMMON/TYPE

Failed assertion:

(EQUAL "type" (PATHNAME-TYPE PATH :CASE :LOCAL))

Pathname PATH = (MERGE-PATHNAMES (MAKE-PATHNAME :DIRECTORY

(:RELATIVE "DIR" "SUBDIR")  
:NAME  
"NAME"  
:TYPE  
"TYPE"  
:CASE  
:COMMON  
:DEFAULTS  
#P"/tmp/"))

#P"/tmp/"  
NIL)

is a PATHNAME: #P"/tmp/DIR/SUBDIR/NAME.TYPE"

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

Host : NIL  
Device : NIL  
Directory : (:ABSOLUTE "tmp" "DIR" "SUBDIR")  
Name : "NAME"  
Type : "TYPE"  
Version : NIL

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

Host : NIL  
Device : NIL  
Directory : (:ABSOLUTE "tmp" "DIR" "SUBDIR")  
Name : "NAME"  
Type : "TYPE"  
Version : NIL

## 9 Checking Translations between logical pathnames

### 9.1 Check

#### TRANSLATE-PATHNAME/LOGICAL/SELF/A3/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:\*\*;\*. \*"  
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 TO-PAT = #P"LOG1:UVW;XYZ;\*. \*"  
is a LOGICAL-PATHNAME: #P"LOG1:UVW;XYZ;\*. \*"

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

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

TRANSLATED = (CHECKED-TRANSLATE-PATHNAME PATH FROM-PAT TO-PAT) =  
(:ERROR "Unsupported case in TRANSLATE-DIRECTORY-COMPONENTS.")

Logical-Pathname EXPECTED = #P"LOG1:UVW;XYZ;NAME.TYP"  
is a LOGICAL-PATHNAME: #P"LOG1:UVW;XYZ;NAME.TYP"

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

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

translate-pathname should work within the same logical host.

## 9.2 Check

### TRANSLATE-PATHNAME/LOGICAL/SELF/C4/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:\*;\*;\*.\*\*"  
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

Logical-Pathname TO-PAT = #P"LOG1:UVW;\*;XYZ;\*.\*\*"  
is a LOGICAL-PATHNAME: #P"LOG1:UVW;\*;XYZ;\*.\*\*"

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

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

TRANSLATED = (CHECKED-TRANSLATE-PATHNAME PATH FROM-PAT TO-PAT) =  
(:ERROR "Unsupported case in TRANSLATE-DIRECTORY-COMPONENTS.")

Logical-Pathname EXPECTED = #P"LOG1:UVW;ABC;XYZ;NAME.TYP"  
is a LOGICAL-PATHNAME: #P"LOG1:UVW;ABC;XYZ;NAME.TYP"

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

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

translate-pathname should work within the same logical host.

### 9.3 Check

## TRANSLATE-PATHNAME/LOGICAL/LOGICAL/E3/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:\*\*;\*.\*\*"

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 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" "XYZ")  
Name : :WILD  
Type : :WILD  
Version : NIL

TRANSLATED = (CHECKED-TRANSLATE-PATHNAME PATH FROM-PAT TO-PAT) =  
(:ERROR "Unsupported case in TRANSLATE-DIRECTORY-COMPONENTS.")

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 host to logical host.

## 9.4 Check

### TRANSLATE-PATHNAME/LOGICAL/LOGICAL/G4/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:\*\*\*.\*\*\*"

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

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" :WILD "XYZ")  
Name : :WILD  
Type : :WILD  
Version : NIL

TRANSLATED = (CHECKED-TRANSLATE-PATHNAME PATH FROM-PAT TO-PAT) =  
(:ERROR "Unsupported case in TRANSLATE-DIRECTORY-COMPONENTS.")

Logical-Pathname EXPECTED = #P"LOG2:UVW;ABC;XYZ;NAME.TYP"  
is a LOGICAL-PATHNAME: #P"LOG2:UVW;ABC;XYZ;NAME.TYP"  
The fields of this pathname with :case :common are:

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

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

## 9.5 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

TRANSLATED = (CHECKED-TRANSLATE-PATHNAME PATH FROM-PAT TO-PAT) =
(:ERROR "Unsupported case in TRANSLATE-DIRECTORY-COMPONENTS.")

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.

9.6 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.

## 10 Checking Translations from logical pathname to physical pathname

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

TRANSLATED = (CHECKED-TRANSLATE-PATHNAME PATH FROM-PAT TO-PAT) =  
(:ERROR "Unsupported case in TRANSLATE-DIRECTORY-COMPONENTS.")

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 : NIL  
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 : NIL  
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.

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

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

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

TRANSLATED = (CHECKED-TRANSLATE-PATHNAME PATH FROM-PAT TO-PAT) =  
(:ERROR "Unsupported case in TRANSLATE-DIRECTORY-COMPONENTS.")

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

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

Host : NIL  
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.

## **11 Checking Translations from physical pathname to logical pathname**