

NAME

atnntou -- convert ASCII TNN to unsigned integer

SYNOPSIS

```
atnntou(tnn, value)
char *tnn;
unsigned *value;
```

DESCRIPTION

The subroutine converts an ASCII string representation of a trunk network number, tnn, to an unsigned integer. Note that the string is neither a decimal or an octal number. The largest tnn string is '317377' which results in the largest 16 bit unsigned integer. A companion subroutine, utoatnn(), will convert an unsigned integer to a tnn ASCII string.

Preconditions:

1. No assumptions are made regarding the length or the contents of the string. However, a length greater than 6 will fail. Also, a string containing other than digits will fail.
2. No assumption is made regarding the contents of value.

Post conditions:

1. Return of 0 implies no errors detected. The contents of value are correct.
2. Return -1,1,2,3,4,5,6, or 7 depending on the error detected.
3. A return of nonzero implies the contents of value are undefined.
4. The contents of the original string are unchanged.

LIBRARY

/lib/lib1.a

SEE ALSO

utoatnn(3L)