Package ‘rebus.numbers’

October 14, 2022

Title Numeric Extensions for the 'rebus' Package
Version 0.0-1
Date 2015-12-16
Author Richard Cotton [aut, cre]
Maintainer Richard Cotton <richierocks@gmail.com>
Description Build regular expressions piece by piece using human readable code.
   This package contains number-related functionality, and is primarily intended
to be used by package developers.
Depends R (>= 3.1.0)
Imports rebus.base, utils
Suggests testthat
License Unlimited
LazyLoad yes
LazyData yes
Acknowledgments Development of this package was partially funded by
   the Proteomics Core at Weill Cornell Medical College in Qatar
   <http://qatar-weill.cornell.edu>. The Core is supported by
   'Biomedical Research Program' funds, a program funded by Qatar
   Foundation.
RoxygenNote 5.0.1
Collate 'imports.R' 'number_range.R' 'roman.R'
NeedsCompilation no
Repository CRAN
Date/Publication 2015-12-16 12:00:14

R topics documented:

   number_range .................................................. 2
   roman ............................................................. 2

Index 4
number_range  Generate a regular expression for a number range.

Description
Generates a regular expression that matches a sequence of numbers.

Usage
number_range(lo, hi, allow_leading_zeroes = FALSE, capture = FALSE)

Arguments
lo  An integer.
hi  An integer greater than or equal to lo.
allow_leading_zeroes  A logical value. Are leading zeroes allowed to bulk the match up to the length of the number with the most digits?
capture  A logical value. See or for details.

Value
A character vector representing part or all of a regular expression.

Examples
number_range(0, 255)
number_range(0, 255, allow_leading_zeroes = TRUE)
number_range(10000, 19999)
number_range(6, 54321)
number_range(-77, 77)
number_range(-77, 77, capture = TRUE)
number_range(-77, 77, capture = NA)

roman  Roman numerals

Description
Match roman numerals.

Usage
ROMAN

roman(lo, hi)
Arguments

lo       A non-negative integer. Minimum number of repeats, when grouped.
hi       positive integer. Maximum number of repeats, when grouped.

Format

An object of class regex (inherits from character) of length 1.

See Also

as.roman

Examples

# Constant form and character class
ROMAN
roman()

x <- c("MMMDCCCXLVIII", "MMMCMDCCCXLIV")
rx <- rebus.base::exactly(roman())
grepl(rx, x)
Index

* datasets
  roman, 2
as.roman, 3
number_range, 2
or, 2
ROMAN (roman), 2
roman, 2