

Package ‘rebus.numbers’

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Title Numeric Extensions for the 'rebus' Package

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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

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RoxygenNote 7.3.2

Collate 'imports.R' 'number_range.R' 'roman.R'

NeedsCompilation no

Repository CRAN

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number_range	<i>Generate a regular expression for a number range.</i>
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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	<i>Roman numerals</i>
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Description

Match roman numerals.

Usage

```
ROMAN
```

```
roman(lo, hi)
```

Arguments

<code>lo</code>	A non-negative integer. Minimum number of repeats, when grouped.
<code>hi</code>	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", "MMCMDCCLXIV")
rx <- rebus.base::exactly(roman())
grepl(rx, x)
```

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