

# Package ‘rebus.numbers’

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**Title** Numeric Extensions for the 'rebus' Package

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**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

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**RoxygenNote** 5.0.1

**Collate** 'imports.R' 'number\_range.R' 'roman.R'

**NeedsCompilation** no

**Repository** CRAN

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## R topics documented:

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

<b>Index</b>	<b>4</b>
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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 <a href="#">or</a> 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)
```

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roman	<i>Roman numerals</i>
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### 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", "MMCMDCCLXIV")
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](#)