

Package ‘versionsort’

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Type Package

Title Sort and Order Version Codes

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Description A lightweight package for sorting version codes in various forms. No strong dependencies guaranteed.

License GPL (>= 3)

Encoding UTF-8

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Suggests covr, spelling, testthat (>= 3.0.0)

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ver_latest	<i>Find the latest version code</i>
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Description

ver_latest() returns the latest of the version codes.

Usage

```
ver_latest(x)
```

Arguments

x [character\(\)](#)
A vector of version codes that start with a number (as in "1.5.0"), i.e. without initial "v" (as in "v1.5.0").

Value

A character vector with one element.

See Also

[ver_oldest\(\)](#)

Examples

```
ver_latest(c("1.3-0", "1.4-1", "0.0.0.9000", "1.4-0a", "1.4-0"))
```

ver_oldest	<i>Find the oldest version code</i>
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Description

ver_oldest() returns the oldest of the version codes.

Usage

```
ver_oldest(x)
```

Arguments

x [character\(\)](#)
A vector of version codes that start with a number (as in "1.5.0"), i.e. without initial "v" (as in "v1.5.0").

Value

A character vector with one element.

See Also

[ver_latest\(\)](#)

Examples

```
ver_oldest(c("1.3-0", "1.4-1", "0.0.0.9000", "1.4-0a", "1.4-0"))
```

ver_order

Order version codes

Description

`ver_order()` returns the permutation that rearranges a vector of version codes alphanumerically.

Usage

```
ver_order(x)
```

Arguments

`x` [character\(\)](#)
A vector of version codes that start with a number (as in "1.5.0"), i.e. without initial "v" (as in "v1.5.0").

Value

An integer vector (for details see [order](#)).

See Also

[ver_sort\(\)](#)

Examples

```
version_codes <- c("1.5-0", "1.4-1", "0.0.0.9000", "1.4-0a", "1.4-0")
ver_order(version_codes)
# The line below is the same as ver_sort(version_codes)
version_codes[ver_order(version_codes)]
```

`ver_sort`*Sort version codes*

Description

`ver_sort()` returns a sorted vector of version codes, where sorting is done alphanumerically.

Usage

```
ver_sort(x)
```

Arguments

`x` [character\(\)](#)
A vector of version codes that start with a number (as in "1.5.0"), i.e. without initial "v" (as in "v1.5.0").

Value

A character vector containing the same elements as input, but reordered.

See Also

[ver_order\(\)](#)

Examples

```
ver_sort(c("1.5-0", "1.4-1", "0.0.0.9000", "1.4-0a", "1.4-0"))
```

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