Package: naturalsort (via r-universe)

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Type Package

Title Natural Ordering

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Suggests testthat

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Description Provides functions related to human natural ordering. It handles adjacent digits in a character sequence as a number so that natural sort function arranges a character vector by their numbers, not digit characters. It is typically seen when operating systems lists file names. For example, a sequence a-1.png, a-2.png, a-10.png looks naturally ordered because 1 < 2 < 10 and natural sort algorithm arranges so whereas general sort algorithms arrange it into a-1.png, a-10.png, a-2.png owing to their third and fourth characters.

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BugReports https://github.com/kos59125/naturalsort/issues

RoxygenNote 5.0.1

Repository https://kos59125.r-universe.dev

RemoteUrl https://github.com/kos59125/naturalsort

RemoteRef HEAD

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Contents

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naturalsort-package   *Natural Ordering Sort*

Description

Provides functions related to natural ordering.

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naturalfactor   *Natural Ordering Factor*

Description

`naturalfactor` creates a factor with levels in natural order.

Usage

```
naturalfactor(x, levels, ordered = TRUE, ...)
```

Arguments

x	a character vector.
levels	a character vector whose elements might be appeared in x.
ordered	logical flag that determines whether the factor is ordered.
...	arguments that are passed to factor function.

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naturalorder   *Natural Ordering Sort*

Description

Natural ordering is a kind of alphanumerical ordering. `naturalorder` returns the order of the argument character #' vector in human natural ascending or descending order. `naturalsort` returns the sorted vector.

Usage

```
naturalorder(text, decreasing = FALSE, na.last = TRUE)

naturalsort(text, decreasing = FALSE, na.last = NA)
```

Arguments

`text`	a character vector to sort.
`decreasing`	logical.
`na.last`	logical. If NA, NAs will be removed of the result.

Value

For `naturalorder`, the results are indices of vector elements in natural order. For `naturalsort`, the results are sorted vectors.

Examples

```
text <- c("a-1.png", "a-2.png", "a-10.png")
print(sort(text))
print(naturalsort(text))
```

Index