

Package ‘magicfor’

July 22, 2025

Type Package

Version 0.1.0

Title Magic Functions to Obtain Results from for Loops

Description Magic functions to obtain results from for loops.

URL <https://github.com/hoxo-m/magicfor>

BugReports <https://github.com/hoxo-m/magicfor/issues>

License MIT + file LICENSE

Imports utils

Suggests testthat, knitr, rmarkdown

RoxygenNote 5.0.1

VignetteBuilder knitr

NeedsCompilation no

Author Koji Makiyama [cre, aut]

Maintainer Koji Makiyama <hoxo.smile@gmail.com>

Repository CRAN

Date/Publication 2016-12-18 11:22:59

Contents

is_magicalized	2
magic_for	2
magic_free	3
magic_result	3
magic_result_as_dataframe	3
magic_result_as_vector	4
put	4

Index	5
--------------	----------

is_magicalized	<i>Check whether for() is magicalized or not</i>
----------------	--

Description

Check whether for() is magicalized or not

Usage

```
is_magicalized(envir = parent.frame())
```

Arguments

envir	environment
-------	-------------

Value

TRUE if for() is magicalized.

magic_for	<i>Magicalize for()</i>
-----------	-------------------------

Description

Magicalize for()

Usage

```
magic_for(func = put, progress = FALSE, test = FALSE, silent = FALSE,
          temporary = FALSE, max_object_size = 1 * MB)
```

Arguments

func	function name. The target function for magicalization.
progress	logical. If TRUE, show progress bar.
test	logical or a number. If TRUE or a number, limit iteration times to it.
silent	logical. If TRUE, do not execute func. Usually, func is print something.
temporary	logical. If TRUE, once run for(), free magicalization.
max_object_size	a number. Prevent to store large iterator. Default to 1 MB.

magic_free	<i>Free magicalization and clear the result</i>
------------	---

Description

Free magicalization and clear the result

Usage

```
magic_free()
```

magic_result	<i>Get values stored by magicalized for loops as a list</i>
--------------	---

Description

Get values stored by magicalized for loops as a list

Usage

```
magic_result()
```

Value

list

magic_result_as_dataframe	<i>Get values stored by magicalized for loops as a data.frame</i>
---------------------------	---

Description

Get values stored by magicalized for loops as a data.frame

Usage

```
magic_result_as_dataframe(iter = TRUE)
```

Arguments

iter logical. Include iterator into the result.

Value

data.frame

`magic_result_as_vector`*Get values stored by magicalized for loops as a vector*

Description

Get values stored by magicalized for loops as a vector

Usage

```
magic_result_as_vector()
```

Value

vector

`put`*Print values*

Description

Print values

Usage

```
put(..., envir = parent.frame())
```

Arguments

<code>...</code>	values
<code>envir</code>	environment

Index

`is_magicalized`, 2

`magic_for`, 2

`magic_free`, 3

`magic_result`, 3

`magic_result_as_dataframe`, 3

`magic_result_as_vector`, 4

`put`, 4