# Package 'ptR'

April 24, 2016

Type Package

Version 0.1.0

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**Title** Process Trees in R

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number\_of\_paths

choice\_node

Choice node

# Description

Calculate path dictionary for choice node based on the children's dictionaries

## Usage

```
choice_node(children)
```

hello

Hello, World!

## Description

Prints 'Hello, world!'.

## Usage

hello()

# **Examples**

hello()

loop\_node

Loop node

# Description

Calculate path dictionary for a loop node based on the children's dictionaries

## Usage

```
loop_node(children, n_iterations_loop)
```

 $number\_of\_paths$ 

Number of paths

# Description

Calculate number of execution paths in a process tree

# Usage

```
number_of_paths(tree, n_iterations_loop = 2)
```

or\_node 3

or\_node

Or node

#### **Description**

Calculate path dictionary for or node based on the children's dictionaries

#### Usage

```
or_node(children)
```

parallel\_node

Parallel node

## Description

Calculate path dictionary for Parallel node based on the children's dictionaries

## Usage

```
parallel_node(children)
```

path\_dictionary

Path dictionary

## Description

Calculate path dictionary for a process tree

#### Usage

```
path_dictionary(tree, n_iterations_loop)
```

ptR

ptR - Process Trees in R

## Description

This package provides function to analyse the behavior in a process tree, e.g. estimate the number of execution paths.

4 sequence\_node

sequence\_node

Sequence node

# Description

Calculate path dictionary for Sequence node based on the children's dictionaries

# Usage

sequence\_node(children)

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