R documentation

of '/Users/shuhualiang/Documents/Davis' etc.

February 4, 2013

R topics documented:

`Blue` *Blue Car Moves*

Description

Takes in a matrix and outputs one with unblock blue car indicators moved up by one grid.

Usage

```
Blue(matrix)
```

Arguments

`matrix`	The car plane.

Author(s)

Shuhua Liang

See Also

Red

Examples

```
##---- Should be DIRECTLY executable !! ----
##-- ==>  Define data, use random,
##--or do  help(data=index)  for the standard data sets.

## The function is currently defined as
function (matrix)
{
    rightDirection = turn.mat.90left(matrix)
    rightDirection
    moved.up = oneUp.matrix(rightDirection)
    rotBack = turn.back.90right(moved.up)
    return(rotBack)
  }
```

`Drive` *All Car Moves*

Usage

```
Drive(time, hgrid, vgrid, rho, ...)
```

Arguments

`time`	Unit of time to process.
`hgrid`	Number of grids in each row.
`vgrid`	Number of grids in each column.
`rho`	Proportion of grids to fill.
`...`	

Author(s)

Shuhua Liang

Examples

```
Drive(50, 80, 90, 0.7)
```

`Red` *Red Car Moves*

Description

Takes in a matrix and outputs one with unblock red car indicators moved to the right by one grid.

Usage

```
Red(matrix)
```

Arguments

matrix

Author(s)

Shuhua Liang

See Also

Blue

Examples

```
##---- Should be DIRECTLY executable !! ----
##-- ==>  Define data, use random,
##--or do  help(data=index)  for the standard data sets.

## The function is currently defined as
function (matrix)
{
    changed.num.ratBack = swap(matrix)
    changed.num.ratBack
    Ready2Up = Turn2(changed.num.ratBack)
    Ready2Up
    Moved.right = oneUp.matrix(Ready2Up)
    Moved.right
    Origin.Dir = TurnBack2(Moved.right)
    Origin.Dir
    ready2plot = swap(Origin.Dir)
    return(ready2plot)
  }
```

Index