PACKAGE SUMMARY: NESTED | FIELD | CONSTR | METHOD

Constructor Summary

Cell(boolean n, boolean s,

java.lang.String getData()

java.lang.String setData

java.lang.String toString()

Constructor Details

public Cell()

number of the Cell.

number of the Cell.

Method Details

setWalls

Parameters:

toString

Overrides:

Returns:

hasNorth

Returns:

hasEast

Returns:

hasSouth

Returns:

hasWest

Returns:

getData

Returns:

setData

Parameters:

Returns:

getNumber

Returns:

equals

Parameters:

the number

the data value

walls - the bit string to parse

Parameters:

public Cell(boolean n,

boolean s,

boolean e,

boolean w)

n - true if north side of the cell should have a wall

s - true if south side of the cell should have a wall

w - true if west side of the cell should have a wall

e - true if east side of the cell should have a wall

public void setWalls(java.lang.String walls)

characters in it beyond the first four will be ignored.

public java.lang.String toString()

toString in class java.lang.Object

the 4-character "bit string"

public boolean hasNorth()

Return whether this cell's north wall exists.

true if and only if the north wall exists

public boolean hasEast()

Return whether this cell's east wall exists.

true if and only if the east wall exists

public boolean hasSouth()

Return whether this cell's south wall exists.

true if and only if the south wall exists

public boolean hasWest()

Return whether this cell's west wall exists.

public java.lang.String getData()

Return the String data stored in this cell.

Set the String contents of this cell.

contents - the cell's new data

public int getNumber()

Get the cell number in the grid.

the original contents

true if and only if the west wall exists

Instance Methods

Method

equals

getNumber()

hasEast()

hasNorth()

hasSouth()

hasWest()

setWalls

Methods inherited from class java.lang.Object

equals(Cell other)

(java.lang.Object other)

(java.lang.String contents)

clone, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait

Construct a cell that has all four walls by default, and which is given a String value that matches the uniquely- assigned

Cell constructor with explicit wall parameters, and which is given a String value that matches the uniquely- assigned

Use a "bit" string in NESW (north-east-south-west) order to represent and set the walls of this cell. A 1 bit indicates

that the wall exists, a o (or anything else) means no wall. The given string is assumed to have length at least 4; any

Get a "bit string" representation of this cell's walls, in NESW (north-east-south-west) order. A 1 represents that a wall

exists, and a o represents no wall. For example, "1001" is returned when only the north and west walls exist for a cell.

(java.lang.String walls)

boolean e, boolean w)

Method Summary

All Methods

boolean

boolean

int

boolean

boolean

boolean

boolean

void

Cell

Cell

Modifier and Type

Constructors

Constructor

Cell()

CLASS

Cell

Class Cell java.lang.Object

TREE DEPRECATED INDEX HELP

Description

Concrete Methods

DETAIL: FIELD | CONSTR | METHOD SEARCH: Q Search

Cell represents a single tile of a maze. STUDENT WILL NEED TO COMPLETE THIS CLASS AS INDICATED BELOW

Construct a cell that has all four walls by default, and which is given a String

Cell constructor with explicit wall parameters, and which is given a String value

Check if two cells are the same in a grid, based on

Return the String data stored in this cell.

Return whether this cell's east wall exists.

Return whether this cell's north wall exists.

Return whether this cell's south wall exists.

Return whether this cell's west wall exists.

Use a "bit" string in NESW (north-east-south-west)

Get a "bit string" representation of this cell's walls, in

order to represent and set the walls of this cell.

Set the String contents of this cell.

NESW (north-east-south-west) order.

Get the cell number in the grid.

Check if an Object is same as this cell, based on number

value that matches the uniquely- assigned number of the Cell.

that matches the uniquely- assigned number of the Cell.

Description

number only.

only.

extends java.lang.Object

public class Cell

Check if two cells are the same in a grid, based on number only.

public java.lang.String setData(java.lang.String contents)

Returns: true if same, false otherwise equals

other - the other cell to compare to this

public boolean equals(Cell other)

equals in class java.lang.Object **Parameters:** other - the other cell to compare to this Returns:

true if same, false otherwise

PACKAGE CLASS TREE DEPRECATED INDEX HELP

DETAIL: FIELD | CONSTR | METHOD

SUMMARY: NESTED | FIELD | CONSTR | METHOD

public boolean equals(java.lang.Object other) Check if an Object is same as this cell, based on number only. If the Object is not a cell, then return false. THIS METHOD IS COMPLETE; STUDENT SHOULD NOT MODIFY IT. **Overrides:**