Package main

Class Range

java.lang.Object main.Range

public class Range
extends java.lang.Object

The Range class models a Range on the map defined by a upper-left and a bottom-right Coordinates

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Constructor Summary

Constructors	
Constructor	Description
Range()	Empty constructor of the Range class, which initializes the upper-left and bottom-right Coordinates of the Range to default values
Range (Coordinate upperL, Coordinate bottomR)	Copy constructor of the Range class, which initializes the upper-left and bottom-right Coordinates of the Range to given values

Method Summary

All Methods	Instance Methods	Concrete Methods
Modifier and Type	e Method	Description
boolean	contains (Coordinate coo	contains() checks if a given Coordinate is contained within this Range
boolean	equals (java.lang.Object obj)	
Coordinate	<pre>getBottomR()</pre>	Getter for the bottom-right Coordinate of the Range
Coordinate	<pre>getUpperL()</pre>	Getter for the upper-left Coordinate of the Range
int	hashCode()	

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SUMMARY: NESTED | FIELD | CONSTR | METHOD DETAIL: FIELD | CONSTR | METHOD

void setUpperL

Setter for the upper-left Coordinate of the Range

(Coordinate upperL)

Methods inherited from class java.lang.Object

getClass, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

Range

public Range()

Empty constructor of the Range class, which initializes the upper-left and bottom-right Coordinates of the Range to default values

Range

public Range(Coordinate upperL, Coordinate bottomR)

Copy constructor of the Range class, which initializes the upper-left and bottom-right Coordinates of the Range to given values

Parameters:

upperL - the upper-left Coordinate of the Range

bottomR - the bottom-right Coordinate of the Range

Method Detail

getUpperL

public Coordinate getUpperL()

Getter for the upper-left Coordinate of the Range

Returns:

the upper-left Coordinate of the Range

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SUMMARY: NESTED | FIELD | CONSTR | METHOD DETAIL: FIELD | CONSTR | METHOD

Setter for the upper-left Coordinate of the Range

Parameters:

upperL - the new upper-left Coordinate of the Range

getBottomR

public Coordinate getBottomR()

Getter for the bottom-right Coordinate of the Range

Returns:

the bottom-right Coordinate of the Range

setBottomR

public void setBottomR(Coordinate bottomR)

Setter for the bottom-right Coordinate of the Range

Parameters:

bottomR - the new bottom-right Coordinate of the Range

contains

public boolean contains(Coordinate coord)

contains() checks if a given Coordinate is contained within this Range

Parameters:

coord - the Coordinate we want to examine

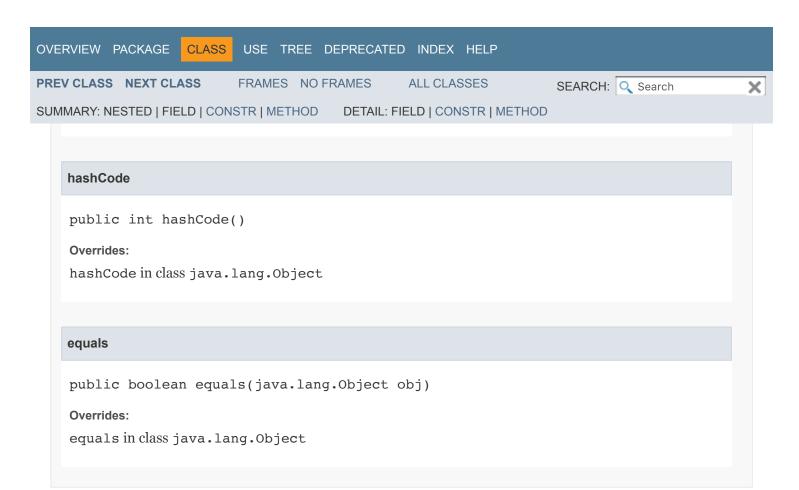
Returns:

true if the given Coordinate is contained within this Range, and false otherwise

intersects

public boolean intersects(Range otherRange)

intersects() checks if a given Range intersects with this Range



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