

Class HNode

java.lang.Object
HNode

```
public class HNode
extends Object
```

Implementation of HNode by

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Constructor Summary

Constructors

Constructor	Description
<code>HNode(char c, int f)</code>	Constructor of the HNode
<code>HNode(HNode left, HNode right)</code>	Creates a node with the given left and right children.

Method Summary

All Methods	Instance Methods	Concrete Methods
Modifier and Type	Method	Description
boolean	<code>contains(char ch)</code>	Determine if the node contains the given character
char	<code>getSymbol()</code>	Returns the symbol stored in this node
boolean	<code>isLeaf()</code>	Determine if the node is a leaf

Methods inherited from class java.lang.Object

`equals` , `getClass` , `hashCode` , `notify` , `notifyAll` , `toString` , `wait` , `wait` , `wait`

Constructor Details

HNode

```
public HNode(char c,  
             int f)
```

Constructor of the HNode

Parameters:

c - - character c as symbol of the HNode

f - - frequency f as frequency/ data of the HNode

HNode

```
public HNode(HNode left,  
            HNode right)
```

Creates a node with the given left and right children.

Parameters:

left - - left-child of the HNode created

right - - right-child of the HNode created

Method Details

isLeaf

```
public boolean isLeaf()
```

Determine if the node is a leaf

Returns:

true if the node is a leaf

contains

```
public boolean contains(char ch)
```

Determine if the node contains the given character

Parameters:

ch - - character to be checked if the node contains such

Returns:

Returns true if this node contains the given character

getSymbol

```
public char getSymbol()
```

Returns the symbol stored in this node

Returns:

the symbol stored in this node, '\0' if it is not a leaf