| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/NumberUpSupported.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
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| [**PREV CLASS**](http://docs.google.com/javax/print/attribute/standard/NumberUp.html)   [**NEXT CLASS**](http://docs.google.com/javax/print/attribute/standard/OrientationRequested.html) | [**FRAMES**](http://docs.google.com/index.html?javax/print/attribute/standard/NumberUpSupported.html)    [**NO FRAMES**](http://docs.google.com/NumberUpSupported.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#1t3h5sf) | [METHOD](#3rdcrjn) |

## **javax.print.attribute.standard**

Class NumberUpSupported

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [javax.print.attribute.SetOfIntegerSyntax](http://docs.google.com/javax/print/attribute/SetOfIntegerSyntax.html)  
 **javax.print.attribute.standard.NumberUpSupported**

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html), [Cloneable](http://docs.google.com/java/lang/Cloneable.html), [Attribute](http://docs.google.com/javax/print/attribute/Attribute.html), [SupportedValuesAttribute](http://docs.google.com/javax/print/attribute/SupportedValuesAttribute.html)

public final class **NumberUpSupported**extends [SetOfIntegerSyntax](http://docs.google.com/javax/print/attribute/SetOfIntegerSyntax.html)implements [SupportedValuesAttribute](http://docs.google.com/javax/print/attribute/SupportedValuesAttribute.html)

Class NumberUpSupported is a printing attribute class, a set of integers, that gives the supported values for a [NumberUp](http://docs.google.com/javax/print/attribute/standard/NumberUp.html) attribute.

**IPP Compatibility:** The NumberUpSupported attribute's canonical array form gives the lower and upper bound for each range of number-up to be included in an IPP "number-up-supported" attribute. See class [SetOfIntegerSyntax](http://docs.google.com/javax/print/attribute/SetOfIntegerSyntax.html) for an explanation of canonical array form. The category name returned by getName() gives the IPP attribute name.

**See Also:**[Serialized Form](http://docs.google.com/serialized-form.html#javax.print.attribute.standard.NumberUpSupported)

| **Constructor Summary** | |
| --- | --- |
| [**NumberUpSupported**](http://docs.google.com/javax/print/attribute/standard/NumberUpSupported.html#NumberUpSupported(int))(int member)            Construct a new number up supported attribute containing a single integer. |
| [**NumberUpSupported**](http://docs.google.com/javax/print/attribute/standard/NumberUpSupported.html#NumberUpSupported(int%5B%5D%5B%5D))(int[][] members)            Construct a new number up supported attribute with the given members. |
| [**NumberUpSupported**](http://docs.google.com/javax/print/attribute/standard/NumberUpSupported.html#NumberUpSupported(int,%20int))(int lowerBound, int upperBound)            Construct a new number up supported attribute containing a single range of integers. |

| **Method Summary** | |
| --- | --- |
| boolean | [**equals**](http://docs.google.com/javax/print/attribute/standard/NumberUpSupported.html#equals(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) object)            Returns whether this number up supported attribute is equivalent to the passed in object. |
| [Class](http://docs.google.com/java/lang/Class.html)<? extends [Attribute](http://docs.google.com/javax/print/attribute/Attribute.html)> | [**getCategory**](http://docs.google.com/javax/print/attribute/standard/NumberUpSupported.html#getCategory())()            Get the printing attribute class which is to be used as the "category" for this printing attribute value. |
| [String](http://docs.google.com/java/lang/String.html) | [**getName**](http://docs.google.com/javax/print/attribute/standard/NumberUpSupported.html#getName())()            Get the name of the category of which this attribute value is an instance. |

| **Methods inherited from class javax.print.attribute.**[**SetOfIntegerSyntax**](http://docs.google.com/javax/print/attribute/SetOfIntegerSyntax.html) |
| --- |
| [contains](http://docs.google.com/javax/print/attribute/SetOfIntegerSyntax.html#contains(int)), [contains](http://docs.google.com/javax/print/attribute/SetOfIntegerSyntax.html#contains(javax.print.attribute.IntegerSyntax)), [getMembers](http://docs.google.com/javax/print/attribute/SetOfIntegerSyntax.html#getMembers()), [hashCode](http://docs.google.com/javax/print/attribute/SetOfIntegerSyntax.html#hashCode()), [next](http://docs.google.com/javax/print/attribute/SetOfIntegerSyntax.html#next(int)), [toString](http://docs.google.com/javax/print/attribute/SetOfIntegerSyntax.html#toString()) |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [clone](http://docs.google.com/java/lang/Object.html#clone()), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [notify](http://docs.google.com/java/lang/Object.html#notify()), [notifyAll](http://docs.google.com/java/lang/Object.html#notifyAll()), [wait](http://docs.google.com/java/lang/Object.html#wait()), [wait](http://docs.google.com/java/lang/Object.html#wait(long)), [wait](http://docs.google.com/java/lang/Object.html#wait(long,%20int)) |

| **Constructor Detail** |
| --- |

### NumberUpSupported

public **NumberUpSupported**(int[][] members)

Construct a new number up supported attribute with the given members. The supported values for NumberUp are specified in "array form;" see class [SetOfIntegerSyntax](http://docs.google.com/javax/print/attribute/SetOfIntegerSyntax.html) for an explanation of array form.

**Parameters:**members - Set members in array form. **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - (unchecked exception) Thrown if members is null or any element of members is null. [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - (unchecked exception) Thrown if any element of members is not a length-one or length-two array. Also thrown if members is a zero-length array or if any member of the set is less than 1.

### NumberUpSupported

public **NumberUpSupported**(int member)

Construct a new number up supported attribute containing a single integer. That is, only the one value of NumberUp is supported.

**Parameters:**member - Set member. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - (Unchecked exception) Thrown if member is less than 1.

### NumberUpSupported

public **NumberUpSupported**(int lowerBound,  
 int upperBound)

Construct a new number up supported attribute containing a single range of integers. That is, only those values of NumberUp in the one range are supported.

**Parameters:**lowerBound - Lower bound of the range.upperBound - Upper bound of the range. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - (Unchecked exception) Thrown if a null range is specified or if a non-null range is specified with lowerBound less than 1.

| **Method Detail** |
| --- |

### equals

public boolean **equals**([Object](http://docs.google.com/java/lang/Object.html) object)

Returns whether this number up supported attribute is equivalent to the passed in object. To be equivalent, all of the following conditions must be true:

1. object is not null.
2. object is an instance of class NumberUpSupported.
3. This number up supported attribute's members and object's members are the same.

**Overrides:**[equals](http://docs.google.com/javax/print/attribute/SetOfIntegerSyntax.html#equals(java.lang.Object)) in class [SetOfIntegerSyntax](http://docs.google.com/javax/print/attribute/SetOfIntegerSyntax.html) **Parameters:**object - Object to compare to. **Returns:**True if object is equivalent to this number up supported attribute, false otherwise.**See Also:**[Object.hashCode()](http://docs.google.com/java/lang/Object.html#hashCode()), [Hashtable](http://docs.google.com/java/util/Hashtable.html)

### getCategory

public final [Class](http://docs.google.com/java/lang/Class.html)<? extends [Attribute](http://docs.google.com/javax/print/attribute/Attribute.html)> **getCategory**()

Get the printing attribute class which is to be used as the "category" for this printing attribute value.

For class NumberUpSupported, the category is class NumberUpSupported itself.

**Specified by:**[getCategory](http://docs.google.com/javax/print/attribute/Attribute.html#getCategory()) in interface [Attribute](http://docs.google.com/javax/print/attribute/Attribute.html) **Returns:**Printing attribute class (category), an instance of class [java.lang.Class](http://docs.google.com/java/lang/Class.html).

### getName

public final [String](http://docs.google.com/java/lang/String.html) **getName**()

Get the name of the category of which this attribute value is an instance.

For class NumberUpSupported, the category name is "number-up-supported".

**Specified by:**[getName](http://docs.google.com/javax/print/attribute/Attribute.html#getName()) in interface [Attribute](http://docs.google.com/javax/print/attribute/Attribute.html) **Returns:**Attribute category name.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/NumberUpSupported.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
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[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

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