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# NSLogicalTest Class Reference

Interapplication Communication



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# NSLogicalTest Class Reference

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<b>Inherits from</b>	NSScriptWhoseTest : NSObject
<b>Conforms to</b>	NSCoding (NSScriptWhoseTest) NSObject (NSObject)
<b>Framework</b>	/System/Library/Frameworks/Foundation.framework
<b>Availability</b>	Available in Mac OS X v10.0 and later.
<b>Companion guide</b>	Cocoa Scripting Guide
<b>Declared in</b>	NSScriptWhoseTests.h

## Overview

Instances of this class perform logical operations of AND, OR, and NOT on Boolean expressions represented by `NSSpecifierTest` objects. These operators are equivalent to “&&”, “|”, and “!” in the C language.

For AND and OR operations, an `NSLogicalTest` object is typically initialized with an array containing two or more `NSSpecifierTest` objects. `isTrue`—inherited from `NSScriptWhoseTest`—evaluates the array in a manner appropriate to the logical operation. For NOT operations, an `NSLogicalTest` object is initialized with only one `NSSpecifierTest` object; it simply reverses the Boolean outcome of the `isTrue` method.

You don't normally subclass `NSLogicalTest`.

## Tasks

### Initializing a Logical Test

- [initAndTestWithTests:](#) (page 6)  
Returns an `NSLogicalTest` object initialized to perform an AND operation with the `NSSpecifierTest` objects in a given array.
- [initNotTestWithTest:](#) (page 6)  
Returns an `NSLogicalTest` object initialized to perform a NOT operation on the given `NSScriptWhoseTest` object.
- [initOrTestWithTests:](#) (page 6)  
Returns an `NSLogicalTest` object initialized to perform an OR operation with the `NSSpecifierTest` objects in a given array.

## Instance Methods

### **initAndTestWithTests:**

Returns an `NSLogicalTest` object initialized to perform an AND operation with the `NSSpecifierTest` objects in a given array.

```
- (id)initAndTestWithTests:(NSArray *)subTests
```

#### **Parameters**

*subTests*

An array of `NSSpecifierTest` objects representing Boolean expressions.

#### **Return Value**

An `NSLogicalTest` object initialized to perform an AND operation with the `NSSpecifierTest` objects in *subTests*.

#### **Availability**

Available in Mac OS X v10.0 and later.

#### **Declared In**

`NSScriptWhoseTests.h`

### **initNotTestWithTest:**

Returns an `NSLogicalTest` object initialized to perform a NOT operation on the given `NSScriptWhoseTest` object.

```
- (id)initNotTestWithTest:(NSScriptWhoseTest *)subTest
```

#### **Parameters**

*subTest*

The `NSScriptWhoseTest` object to invert.

#### **Return Value**

An `NSLogicalTest` object initialized to perform a NOT operation on *subTest*.

#### **Availability**

Available in Mac OS X v10.0 and later.

#### **Declared In**

`NSScriptWhoseTests.h`

### **initOrTestWithTests:**

Returns an `NSLogicalTest` object initialized to perform an OR operation with the `NSSpecifierTest` objects in a given array.

```
- (id)initOrTestWithTests:(NSArray *)subTests
```

**Parameters**

*subTests*

An array of `NSSpecifierTest` objects representing Boolean expressions.

**Return Value**

An `NSLogicalTest` object initialized to perform an OR operation with the `NSSpecifierTest` objects in *subTests*.

**Availability**

Available in Mac OS X v10.0 and later.

**Declared In**

`NSScriptWhoseTests.h`



# Document Revision History

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This table describes the changes to *NSLogicalTest Class Reference*.

Date	Notes
2006-05-23	First publication of this content as a separate document.

**REVISION HISTORY**

Document Revision History

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`initAndTestWithTests`: instance method [6](#)  
`initNotTestWithTest`: instance method [6](#)  
`initOrTestWithTests`: instance method [6](#)