

DejaVu Sans 9	Source Code Pro 9	Source Sans Pro 9
Potentially confusable characters		
1l iO0oB8	1Il i00oB8	1l iO0oB8
Coding meta characters		
<> & ' ^ \$ () { } [] ? + * ^ \ , .	<> & ' ^ \$ () { } [] ? + * ^ \ , .	<> & ' ^ \$ () { } [] ? + * ^ \ , .
Allowable characters		
abcdefghijklmnopqrstuvwxyz ABCDEFGHIJKLMNOPQRSTUVWXYZ 1234567890 . + / * ~ < > @ % & ?	abcdefghijklmnopqrstuvwxyz ABCDEFGHIJKLMNOPQRSTUVWXYZ 1234567890 . + / * ~ < > @ % & ?	abcdefghijklmnopqrstuvwxyz ABCDEFGHIJKLMNOPQRSTUVWXYZ 1234567890 . + / * ~ < > @ % & ?
Transcript		
Transcript show: 'Hello World'.	Transcript show: 'Hello World'.	Transcript show: 'Hello World'.
Transcript nextPutAll: 'Hello World'.	Transcript nextPutAll: 'Hello World'.	Transcript nextPutAll: 'Hello World'.
Transcript nextPut: \$A.	Transcript nextPut: \$A.	Transcript nextPut: \$A.
Transcript space.	Transcript space.	Transcript space.
Transcript tab.	Transcript tab.	Transcript tab.
Transcript cr.	Transcript cr.	Transcript cr.
'Hello' printOn: Transcript.	'Hello' printOn: Transcript.	'Hello' printOn: Transcript.
'Hello' storeOn: Transcript.	'Hello' storeOn: Transcript.	'Hello' storeOn: Transcript.
Assignment		
x y	x y	x y
x := 5.	x := 5.	x := 5.
x := y := z := 6.	x := y := z := 6.	x := y := z := 6.
x := (y := 6) + 1.	x := (y := 6) + 1.	x := (y := 6) + 1.
x := Object new.	x := Object new.	x := Object new.
x := 123 class.	x := 123 class.	x := 123 class.
x := 1.2 hash.	x := 1.2 hash.	x := 1.2 hash.
y := x copy.	y := x copy.	y := x copy.
y := x shallowCopy.	y := x shallowCopy.	y := x shallowCopy.
y := x deepCopy.	y := x deepCopy.	y := x deepCopy.
y := x veryDeepCopy.	y := x veryDeepCopy.	y := x veryDeepCopy.

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Constants		
b	b	b
b := true.	b := true.	b := true.
b := false.	b := false.	b := false.
x := nil.	x := nil.	x := nil.
x := 1.	x := 1.	x := 1.
x := 3.14.	x := 3.14.	x := 3.14.
x := 2e-2.	x := 2e-2.	x := 2e-2.
x := 16r0F.	x := 16r0F.	x := 16r0F.
x := -1.	x := -1.	x := -1.
x := 'Hello'.	x := 'Hello'.	x := 'Hello'.
x := 'I'm here'.	x := 'I'm here'.	x := 'I'm here'.
x := \$A.	x := \$A.	x := \$A.
x := \$.	x := \$.	x := \$.
x := #aSymbol.	x := #aSymbol.	x := #aSymbol.
x := #(3 2 1).	x := #(3 2 1).	x := #(3 2 1).
x := #('abc' 2 \$a).	x := #('abc' 2 \$a).	x := #('abc' 2 \$a).
Booleans		
b x y	b x y	b x y
x := 1. y := 2.	x := 1. y := 2.	x := 1. y := 2.
b := (x = y).	b := (x = y).	b := (x = y).
b := (x ~= y).	b := (x ~= y).	b := (x ~= y).
b := (x == y).	b := (x == y).	b := (x == y).
b := (x ~~ y).	b := (x ~~ y).	b := (x ~~ y).
b := (x > y).	b := (x > y).	b := (x > y).
b := (x < y).	b := (x < y).	b := (x < y).
b := (x >= y).	b := (x >= y).	b := (x >= y).
b := (x <= y).	b := (x <= y).	b := (x <= y).
b := b not.	b := b not.	b := b not.
b := (x < 5) & (y > 1).	b := (x < 5) & (y > 1).	b := (x < 5) & (y > 1).

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<code>b := (x < 5) (y > 1).</code>	<code>b := (x < 5) (y > 1).</code>	<code>b := (x < 5) (y > 1).</code>
<code>b := (x < 5) and: [y > 1].</code>	<code>b := (x < 5) and: [y > 1].</code>	<code>b := (x < 5) and: [y > 1].</code>
<code>b := (x < 5) or: [y > 1].</code>	<code>b := (x < 5) or: [y > 1].</code>	<code>b := (x < 5) or: [y > 1].</code>
<code>b := (x < 5) eqv: (y > 1).</code>	<code>b := (x < 5) eqv: (y > 1).</code>	<code>b := (x < 5) eqv: (y > 1).</code>
<code>b := (x < 5) xor: (y > 1).</code>	<code>b := (x < 5) xor: (y > 1).</code>	<code>b := (x < 5) xor: (y > 1).</code>
<code>b := 5 between: 3 and: 12.</code>	<code>b := 5 between: 3 and: 12.</code>	<code>b := 5 between: 3 and: 12.</code>
<code>b := 123 isKindOf: Number.</code>	<code>b := 123 isKindOf: Number.</code>	<code>b := 123 isKindOf: Number.</code>
<code>b := 123 isMemberOf: SmallInteger.</code>	<code>b := 123 isMemberOf: SmallInteger.</code>	<code>b := 123 isMemberOf: SmallInteger.</code>
<code>b := 123 respondsTo: sqrt.</code>	<code>b := 123 respondsTo: sqrt.</code>	<code>b := 123 respondsTo: sqrt.</code>
<code>b := x isNil.</code>	<code>b := x isNil.</code>	<code>b := x isNil.</code>
<code>b := x isZero.</code>	<code>b := x isZero.</code>	<code>b := x isZero.</code>
<code>b := x positive.</code>	<code>b := x positive.</code>	<code>b := x positive.</code>
<code>b := x strictlyPositive.</code>	<code>b := x strictlyPositive.</code>	<code>b := x strictlyPositive.</code>
<code>b := x negative.</code>	<code>b := x negative.</code>	<code>b := x negative.</code>
<code>b := x isLiteral.</code>	<code>b := x isLiteral.</code>	<code>b := x isLiteral.</code>
<code>b := x isInteger.</code>	<code>b := x isInteger.</code>	<code>b := x isInteger.</code>
<code>b := x isFloat.</code>	<code>b := x isFloat.</code>	<code>b := x isFloat.</code>
<code>b := x isNumber.</code>	<code>b := x isNumber.</code>	<code>b := x isNumber.</code>
<code>b := \$A isUppercase.</code>	<code>b := \$A isUppercase.</code>	<code>b := \$A isUppercase.</code>
<code>b := \$A isLowercase.</code>	<code>b := \$A isLowercase.</code>	<code>b := \$A isLowercase.</code>
Arithmetic expressions		
<code> x </code>	<code> x </code>	<code> x </code>
<code>x := 6 + 3.</code>	<code>x := 6 + 3.</code>	<code>x := 6 + 3.</code>
<code>x := 6 - 3.</code>	<code>x := 6 - 3.</code>	<code>x := 6 - 3.</code>
<code>x := 6 * 3.</code>	<code>x := 6 * 3.</code>	<code>x := 6 * 3.</code>
<code>x := 1 + 2 * 3.</code>	<code>x := 1 + 2 * 3.</code>	<code>x := 1 + 2 * 3.</code>
<code>x := 5 / 3.</code>	<code>x := 5 / 3.</code>	<code>x := 5 / 3.</code>
<code>x := 5.0 / 3.0.</code>	<code>x := 5.0 / 3.0.</code>	<code>x := 5.0 / 3.0.</code>
<code>x := 5.0 // 3.0.</code>	<code>x := 5.0 // 3.0.</code>	<code>x := 5.0 // 3.0.</code>
<code>x := 5.0 \\ 3.0.</code>	<code>x := 5.0 \\ 3.0.</code>	<code>x := 5.0 \\ 3.0.</code>

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x := -5.	x := -5.	x := -5.
x := 5 sign.	x := 5 sign.	x := 5 sign.
x := 5 negated.	x := 5 negated.	x := 5 negated.
x := 1.2 integerPart.	x := 1.2 integerPart.	x := 1.2 integerPart.
x := 1.2 fractionPart.	x := 1.2 fractionPart.	x := 1.2 fractionPart.
x := 5 reciprocal.	x := 5 reciprocal.	x := 5 reciprocal.
x := 6 * 3.1.	x := 6 * 3.1.	x := 6 * 3.1.
x := 5 squared.	x := 5 squared.	x := 5 squared.
x := 25 sqrt.	x := 25 sqrt.	x := 25 sqrt.
x := 5 raisedTo: 2.	x := 5 raisedTo: 2.	x := 5 raisedTo: 2.
x := 5 raisedToInteger: 2.	x := 5 raisedToInteger: 2.	x := 5 raisedToInteger: 2.
x := 5 exp.	x := 5 exp.	x := 5 exp.
x := -5 abs.	x := -5 abs.	x := -5 abs.
x := 3.99 rounded.	x := 3.99 rounded.	x := 3.99 rounded.
x := 3.99 truncated.	x := 3.99 truncated.	x := 3.99 truncated.
x := 3.99 roundTo: 1.	x := 3.99 roundTo: 1.	x := 3.99 roundTo: 1.
x := 3.99 truncateTo: 1.	x := 3.99 truncateTo: 1.	x := 3.99 truncateTo: 1.
x := 3.99 floor.	x := 3.99 floor.	x := 3.99 floor.
x := 3.99 ceiling.	x := 3.99 ceiling.	x := 3.99 ceiling.
x := 5 factorial.	x := 5 factorial.	x := 5 factorial.
x := -5 quo: 3.	x := -5 quo: 3.	x := -5 quo: 3.
x := -5 rem: 3.	x := -5 rem: 3.	x := -5 rem: 3.
x := 28 gcd: 12.	x := 28 gcd: 12.	x := 28 gcd: 12.
x := 28 lcm: 12.	x := 28 lcm: 12.	x := 28 lcm: 12.
x := 100 ln.	x := 100 ln.	x := 100 ln.
x := 100 log.	x := 100 log.	x := 100 log.
x := 100 log: 10.	x := 100 log: 10.	x := 100 log: 10.
x := 100 floorLog: 10.	x := 100 floorLog: 10.	x := 100 floorLog: 10.
x := 180 degreesToRadians.	x := 180 degreesToRadians.	x := 180 degreesToRadians.
x := 3.14 radiansToDegrees.	x := 3.14 radiansToDegrees.	x := 3.14 radiansToDegrees.

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x := 0.7 sin.	x := 0.7 sin.	x := 0.7 sin.
x := 0.7 cos.	x := 0.7 cos.	x := 0.7 cos.
x := 0.7 tan.	x := 0.7 tan.	x := 0.7 tan.
x := 0.7 arcSin.	x := 0.7 arcSin.	x := 0.7 arcSin.
x := 0.7 arcCos.	x := 0.7 arcCos.	x := 0.7 arcCos.
x := 0.7 arcTan.	x := 0.7 arcTan.	x := 0.7 arcTan.
x := 10 max: 20.	x := 10 max: 20.	x := 10 max: 20.
x := 10 min: 20.	x := 10 min: 20.	x := 10 min: 20.
x := Float pi.	x := Float pi.	x := Float pi.
x := Float e.	x := Float e.	x := Float e.
x := Float infinity.	x := Float infinity.	x := Float infinity.
x := Float nan.	x := Float nan.	x := Float nan.
x := Random new next; yourself. x next.	x := Random new next; yourself. x next.	x := Random new next; yourself. x next.
Bitwise Manipulation		
b x	b x	b x
x := 16rFF bitAnd: 16r0F.	x := 16rFF bitAnd: 16r0F.	x := 16rFF bitAnd: 16r0F.
x := 16rF0 bitOr: 16r0F.	x := 16rF0 bitOr: 16r0F.	x := 16rF0 bitOr: 16r0F.
x := 16rFF bitXor: 16r0F.	x := 16rFF bitXor: 16r0F.	x := 16rFF bitXor: 16r0F.
x := 16rFF bitInvert.	x := 16rFF bitInvert.	x := 16rFF bitInvert.
x := 16r0F bitShift: 4.	x := 16r0F bitShift: 4.	x := 16r0F bitShift: 4.
x := 16rF0 bitShift: -4.	x := 16rF0 bitShift: -4.	x := 16rF0 bitShift: -4.
x := 16r80 bitAt: 7.	x := 16r80 bitAt: 7.	x := 16r80 bitAt: 7.
x := 16r80 highbit.	x := 16r80 highbit.	x := 16r80 highbit.
b := 16rFF allMask: 16r0F.	b := 16rFF allMask: 16r0F.	b := 16rFF allMask: 16r0F.
b := 16rFF anyMask: 16r0F.	b := 16rFF anyMask: 16r0F.	b := 16rFF anyMask: 16r0F.
b := 16rFF noMask: 16r0F.	b := 16rFF noMask: 16r0F.	b := 16rFF noMask: 16r0F.
Conversion		
x	x	x
x := 3.99 asInteger.	x := 3.99 asInteger.	x := 3.99 asInteger.
x := 3.99 asFraction.	x := 3.99 asFraction.	x := 3.99 asFraction.

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<pre> x := 3 asFloat. x := 65 asCharacter. x := \$A asciiValue. x := 3.99 printString. x := 3.99 storeString. x := 15 radix: 16. x := 15 printStringBase: 16. x := 15 storeStringBase: 16.</pre>	<pre> x := 3 asFloat. x := 65 asCharacter. x := \$A asciiValue. x := 3.99 printString. x := 3.99 storeString. x := 15 radix: 16. x := 15 printStringBase: 16. x := 15 storeStringBase: 16.</pre>	<pre> x := 3 asFloat. x := 65 asCharacter. x := \$A asciiValue. x := 3.99 printString. x := 3.99 storeString. x := 15 radix: 16. x := 15 printStringBase: 16. x := 15 storeStringBase: 16.</pre>
Blocks		
<pre> x y z x := [y := 1. z := 2.]. x value. x := [:argOne :argTwo argOne, ' and ', argTwo.]. Transcript show: (x value: 'First' value: 'Second'); cr. x := [z z := 1.].</pre>	<pre> x y z x := [y := 1. z := 2.]. x value. x := [:argOne :argTwo argOne, ' and ', argTwo.]. Transcript show: (x value: 'First' value: 'Second'); cr. x := [z z := 1.].</pre>	<pre> xyz x := [y := 1. z := 2.]. x value. x := [:argOne :argTwo argOne, ' and ', argTwo.]. Transcript show: (x value: 'First' value: 'Second'); cr. x := [z z := 1.].</pre>
Method calls		
<pre> x x := 2 sqrt. x := 2 raisedTo: 10. x := 194 * 9. Transcript show: (194 * 9) printString; cr. x := 2 perform: #sqrt. Transcript show: 'hello '; show: 'world'; cr. x := 3 + 2; * 100.</pre>	<pre> x x := 2 sqrt. x := 2 raisedTo: 10. x := 194 * 9. Transcript show: (194 * 9) printString; cr. x := 2 perform: #sqrt. Transcript show: 'hello '; show: 'world'; cr. x := 3 + 2; * 100.</pre>	<pre> x x := 2 sqrt. x := 2 raisedTo: 10. x := 194 * 9. Transcript show: (194 * 9) printString; cr. x := 2 perform: #sqrt. Transcript show: 'hello '; show: 'world'; cr. x := 3 + 2; * 100.</pre>
Conditional Statements		
<pre> x x > 10 ifTrue: [Transcript show: 'ifTrue'; cr].</pre>	<pre> x x > 10 ifTrue: [Transcript show: 'ifTrue'; cr].</pre>	<pre> x x > 10 ifTrue: [Transcript show: 'ifTrue'; cr].</pre>

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<pre> x > 10 ifFalse: [Transcript show: 'ifFalse'; cr]. x > 10 ifTrue: [Transcript show: 'ifTrue'; cr] ifFalse: [Transcript show: 'ifFalse'; cr]. x > 10 ifFalse: [Transcript show: 'ifFalse'; cr] ifTrue: [Transcript show: 'ifTrue'; cr]. Transcript show: (x > 10 ifTrue: ['ifTrue'] ifFalse: ['ifFalse']); cr. Transcript show: (x > 10 ifTrue: [x > 5 ifTrue: ['A'] ifFalse: ['B']] ifFalse: ['C']); cr. switch := Dictionary new. switch at: \$A put: [Transcript show: 'Case A'; cr]. switch at: \$B put: [Transcript show: 'Case B'; cr]. switch at: \$C put: [Transcript show: 'Case C'; cr]. result := (switch at: \$B) value.</pre>	<pre> x > 10 ifFalse: [Transcript show: 'ifFalse'; cr]. x > 10 ifTrue: [Transcript show: 'ifTrue'; cr] ifFalse: [Transcript show: 'ifFalse'; cr]. x > 10 ifFalse: [Transcript show: 'ifFalse'; cr] ifTrue: [Transcript show: 'ifTrue'; cr]. Transcript show: (x > 10 ifTrue: ['ifTrue'] ifFalse: ['ifFalse']); cr. Transcript show: (x > 10 ifTrue: [x > 5 ifTrue: ['A'] ifFalse: ['B']] ifFalse: ['C']); cr. switch := Dictionary new. switch at: \$A put: [Transcript show: 'Case A'; cr]. switch at: \$B put: [Transcript show: 'Case B'; cr]. switch at: \$C put: [Transcript show: 'Case C'; cr]. result := (switch at: \$B) value.</pre>	<pre> x > 10 ifFalse: [Transcript show: 'ifFalse'; cr]. x > 10 ifTrue: [Transcript show: 'ifTrue'; cr] ifFalse: [Transcript show: 'ifFalse'; cr]. x > 10 ifFalse: [Transcript show: 'ifFalse'; cr] ifTrue: [Transcript show: 'ifTrue'; cr]. Transcript show: (x > 10 ifTrue: ['ifTrue'] ifFalse: ['ifFalse']); cr. Transcript show: (x > 10 ifTrue: [x > 5 ifTrue: ['A'] ifFalse: ['B']] ifFalse: ['C']); cr. switch := Dictionary new. switch at: \$A put: [Transcript show: 'Case A'; cr]. switch at: \$B put: [Transcript show: 'Case B'; cr]. switch at: \$C put: [Transcript show: 'Case C'; cr]. result := (switch at: \$B) value.</pre>
Iteration statements		
<pre> x y x := 4. y := 1. [x > 0] whileTrue: [x := x - 1. y := y * 2]. [x >= 4] whileFalse: [x := x + 1. y := y * 2]. x timesRepeat: [y := y * 2].</pre>	<pre> x y x := 4. y := 1. [x > 0] whileTrue: [x := x - 1. y := y * 2]. [x >= 4] whileFalse: [x := x + 1. y := y * 2]. x timesRepeat: [y := y * 2].</pre>	<pre> x y x := 4. y := 1. [x > 0] whileTrue: [x := x - 1. y := y * 2]. [x >= 4] whileFalse: [x := x + 1. y := y * 2]. x timesRepeat: [y := y * 2].</pre>

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1 to: x do: [:a y := y * 2].	1 to: x do: [:a y := y * 2].	1 to: x do: [:a y := y * 2].
1 to: x by: 2 do: [:a y := y / 2].	1 to: x by: 2 do: [:a y := y / 2].	1 to: x by: 2 do: [:a y := y / 2].
#(5 4 3) do: [:a x := x + a].	#(5 4 3) do: [:a x := x + a].	#(5 4 3) do: [:a x := x + a].
Character		
x y	x y	x y
x := \$A.	x := \$A.	x := \$A.
y := x isLowercase.	y := x isLowercase.	y := x isLowercase.
y := x isUppercase.	y := x isUppercase.	y := x isUppercase.
y := x isLetter.	y := x isLetter.	y := x isLetter.
y := x isDigit.	y := x isDigit.	y := x isDigit.
y := x isAlphaNumeric.	y := x isAlphaNumeric.	y := x isAlphaNumeric.
y := x isSeparator.	y := x isSeparator.	y := x isSeparator.
y := x isVowel.	y := x isVowel.	y := x isVowel.
y := x digitValue.	y := x digitValue.	y := x digitValue.
y := x asLowercase.	y := x asLowercase.	y := x asLowercase.
y := x asUppercase.	y := x asUppercase.	y := x asUppercase.
y := x asciiValue.	y := x asciiValue.	y := x asciiValue.
y := x asString.	y := x asString.	y := x asString.
b := \$A <= \$B.	b := \$A <= \$B.	b := \$A <= \$B.
y := \$A max: \$B.	y := \$A max: \$B.	y := \$A max: \$B.
Symbol		
b x y	b x y	b x y
x := #Hello.	x := #Hello.	x := #Hello.
y := 'String', 'Concatenation'.	y := 'String', 'Concatenation'.	y := 'String', 'Concatenation'.
b := x isEmpty.	b := x isEmpty.	b := x isEmpty.
y := x size.	y := x size.	y := x size.
y := x at: 2.	y := x at: 2.	y := x at: 2.
y := x copyFrom: 2 to: 4.	y := x copyFrom: 2 to: 4.	y := x copyFrom: 2 to: 4.
y := x indexOf: \$e ifAbsent: [0].	y := x indexOf: \$e ifAbsent: [0].	y := x indexOf: \$e ifAbsent: [0].
x do: [:a Transcript show: a printString; cr].	x do: [:a Transcript show: a printString; cr].	x do: [:a Transcript show: a printString; cr].

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<pre> b := x conform: [:a (a >= \$a) & (a <= \$z)]. y := x select: [:a a > \$a]. y := x asString. y := x asText. y := x asArray. y := x asOrderedCollection. y := x asSortedCollection. y := x asBag. y := x asSet. </pre>	<pre> b := x conform: [:a (a >= \$a) & (a <= \$z)]. y := x select: [:a a > \$a]. y := x asString. y := x asText. y := x asArray. y := x asOrderedCollection. y := x asSortedCollection. y := x asBag. y := x asSet. </pre>	<pre> b := x conform: [:a (a >= \$a) & (a <= \$z)]. y := x select: [:a a > \$a]. y := x asString. y := x asText. y := x asArray. y := x asOrderedCollection. y := x asSortedCollection. y := x asBag. y := x asSet. </pre>
String		
<pre> b x y x := 'This is a string'. x := 'String', 'Concatenation'. b := x isEmpty. y := x size. y := x at: 2. y := x copyFrom: 2 to: 4. y := x indexOf: \$a ifAbsent: [0]. x := String new: 4. x at: 1 put: \$a; at: 2 put: \$b; at: 3 put: \$c; at: 4 put: \$e. x := String with: \$a with: \$b with: \$c with: \$d. x do: [:a Transcript show: a printString; cr]. b := x conform: [:a (a >= \$a) & (a <= \$z)]. y := x select: [:a a > \$a]. </pre>	<pre> b x y x := 'This is a string'. x := 'String', 'Concatenation'. b := x isEmpty. y := x size. y := x at: 2. y := x copyFrom: 2 to: 4. y := x indexOf: \$a ifAbsent: [0]. x := String new: 4. x at: 1 put: \$a; at: 2 put: \$b; at: 3 put: \$c; at: 4 put: \$e. x := String with: \$a with: \$b with: \$c with: \$d. x do: [:a Transcript show: a printString; cr]. b := x conform: [:a (a >= \$a) & (a <= \$z)]. y := x select: [:a a > \$a]. </pre>	<pre> b x y x := 'This is a string'. x := 'String', 'Concatenation'. b := x isEmpty. y := x size. y := x at: 2. y := x copyFrom: 2 to: 4. y := x indexOf: \$a ifAbsent: [0]. x := String new: 4. x at: 1 put: \$a; at: 2 put: \$b; at: 3 put: \$c; at: 4 put: \$e. x := String with: \$a with: \$b with: \$c with: \$d. x do: [:a Transcript show: a printString; cr]. b := x conform: [:a (a >= \$a) & (a <= \$z)]. y := x select: [:a a > \$a]. </pre>

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y := x asSymbol.	y := x asSymbol.	y := x asSymbol.
y := x asArray.	y := x asArray.	y := x asArray.
x := 'ABCD' asByteArray.	x := 'ABCD' asByteArray.	x := 'ABCD' asByteArray.
y := x asOrderedCollection.	y := x asOrderedCollection.	y := x asOrderedCollection.
y := x asSortedCollection.	y := x asSortedCollection.	y := x asSortedCollection.
y := x asBag.	y := x asBag.	y := x asBag.
y := x asSet.	y := x asSet.	y := x asSet.
y := x shuffled.	y := x shuffled.	y := x shuffled.
OrderedCollection		
b x y sum max	b x y sum max	b x y sum max
x := OrderedCollection with: 4 with: 3 with: 2 with: 1.	x := OrderedCollection with: 4 with: 3 with: 2 with: 1.	x := OrderedCollection with: 4 with: 3 with: 2 with: 1.
x := OrderedCollection new.	x := OrderedCollection new.	x := OrderedCollection new.
x add: 3; add: 2; add: 1; add: 4; yourself.	x add: 3; add: 2; add: 1; add: 4; yourself.	x add: 3; add: 2; add: 1; add: 4; yourself.
y := x addFirst: 5.	y := x addFirst: 5.	y := x addFirst: 5.
y := x removeFirst.	y := x removeFirst.	y := x removeFirst.
y := x addLast: 6.	y := x addLast: 6.	y := x addLast: 6.
y := x removeLast.	y := x removeLast.	y := x removeLast.
y := x addAll: #(7 8 9).	y := x addAll: #(7 8 9).	y := x addAll: #(7 8 9).
y := x removeAll: #(7 8 9).	y := x removeAll: #(7 8 9).	y := x removeAll: #(7 8 9).
x at: 2 put: 3.	x at: 2 put: 3.	x at: 2 put: 3.
y := x remove: 5 ifAbsent: [].	y := x remove: 5 ifAbsent: [].	y := x remove: 5 ifAbsent: [].
b := x isEmpty.	b := x isEmpty.	b := x isEmpty.
y := x size.	y := x size.	y := x size.
y := x at: 2.	y := x at: 2.	y := x at: 2.
y := x first.	y := x first.	y := x first.
y := x last.	y := x last.	y := x last.
b := x includes: 5.	b := x includes: 5.	b := x includes: 5.
y := x copyFrom: 2 to: 3.	y := x copyFrom: 2 to: 3.	y := x copyFrom: 2 to: 3.
y := x indexOf: 3 ifAbsent: [0].	y := x indexOf: 3 ifAbsent: [0].	y := x indexOf: 3 ifAbsent: [0].
y := x occurrencesOf: 3.	y := x occurrencesOf: 3.	y := x occurrencesOf: 3.

DejaVu Sans 9	Source Code Pro 9	Source Sans Pro 9
<pre> x do: [:a Transcript show: a printString; cr]. b := x conform: [:a (a >= 1) & (a <= 4)]. y := x select: [:a a > 2]. y := x reject: [:a a < 2]. y := x collect: [:a a + a]. y := x detect: [:a a > 3] ifNone: []. sum := 0. x do: [:a sum := sum + a]. sum. sum := 0. 1 to: (x size) do: [:a sum := sum + (x at: a)]. sum := x inject: 0 into: [:a :c a + c]. max := x inject: 0 into: [:a :c (a > c) ifTrue: [a] ifFalse: [c]]. y := x shuffled. y := x asArray. y := x asOrderedCollection. y := x asSortedCollection. y := x asBag. y := x asSet. </pre>	<pre> x do: [:a Transcript show: a printString; cr]. b := x conform: [:a (a >= 1) & (a <= 4)]. y := x select: [:a a > 2]. y := x reject: [:a a < 2]. y := x collect: [:a a + a]. y := x detect: [:a a > 3] ifNone: []. sum := 0. x do: [:a sum := sum + a]. sum. sum := 0. 1 to: (x size) do: [:a sum := sum + (x at: a)]. sum := x inject: 0 into: [:a :c a + c]. max := x inject: 0 into: [:a :c (a > c) ifTrue: [a] ifFalse: [c]]. y := x shuffled. y := x asArray. y := x asOrderedCollection. y := x asSortedCollection. y := x asBag. y := x asSet. </pre>	<pre> x do: [:a Transcript show: a printString; cr]. b := x conform: [:a (a >= 1) & (a <= 4)]. y := x select: [:a a > 2]. y := x reject: [:a a < 2]. y := x collect: [:a a + a]. y := x detect: [:a a > 3] ifNone: []. sum := 0. x do: [:a sum := sum + a]. sum. sum := 0. 1 to: (x size) do: [:a sum := sum + (x at: a)]. sum := x inject: 0 into: [:a :c a + c]. max := x inject: 0 into: [:a :c (a > c) ifTrue: [a] ifFalse: [c]]. y := x shuffled. y := x asArray. y := x asOrderedCollection. y := x asSortedCollection. y := x asBag. y := x asSet. </pre>
Interval		
<pre> b x y sum max x := Interval from: 5 to: 10. x := 5 to: 10. x := Interval from: 5 to: 10 by: 2. x := 5 to: 10 by: 2. b := x isEmpty. y := x size. x includes: 9. x do: [:k Transcript show: k printString; cr]. b := x conform: [:a (a >= 1) & (a <= 4)]. </pre>	<pre> b x y sum max x := Interval from: 5 to: 10. x := 5 to: 10. x := Interval from: 5 to: 10 by: 2. x := 5 to: 10 by: 2. b := x isEmpty. y := x size. x includes: 9. x do: [:k Transcript show: k printString; cr]. b := x conform: [:a (a >= 1) & (a <= 4)]. </pre>	<pre> b x y sum max x := Interval from: 5 to: 10. x := 5 to: 10. x := Interval from: 5 to: 10 by: 2. x := 5 to: 10 by: 2. b := x isEmpty. y := x size. x includes: 9. x do: [:k Transcript show: k printString; cr]. b := x conform: [:a (a >= 1) & (a <= 4)]. </pre>

DejaVu Sans 9	Source Code Pro 9	Source Sans Pro 9
<pre> y := x select: [:a a > 7]. y := x reject: [:a a < 2]. y := x collect: [:a a + a]. y := x detect: [:a a > 3] ifNone: []. sum := 0. x do: [:a sum := sum + a]. sum. sum := 0. 1 to: (x size) do: [:a sum := sum + (x at: a)]. sum := x inject: 0 into: [:a :c a + c]. max := x inject: 0 into: [:a :c (a > c) ifTrue: [a] ifFalse: [c]]. y := x asArray. y := x asOrderedCollection. y := x asSortedCollection. y := x asBag. y := x asSet. </pre>	<pre> y := x select: [:a a > 7]. y := x reject: [:a a < 2]. y := x collect: [:a a + a]. y := x detect: [:a a > 3] ifNone: []. sum := 0. x do: [:a sum := sum + a]. sum. sum := 0. 1 to: (x size) do: [:a sum := sum + (x at: a)]. sum := x inject: 0 into: [:a :c a + c]. max := x inject: 0 into: [:a :c (a > c) ifTrue: [a] ifFalse: [c]]. y := x asArray. y := x asOrderedCollection. y := x asSortedCollection. y := x asBag. y := x asSet. </pre>	<pre> y := x select: [:a a > 7]. y := x reject: [:a a < 2]. y := x collect: [:a a + a]. y := x detect: [:a a > 3] ifNone: []. sum := 0. x do: [:a sum := sum + a]. sum. sum := 0. 1 to: (x size) do: [:a sum := sum + (x at: a)]. sum := x inject: 0 into: [:a :c a + c]. max := x inject: 0 into: [:a :c (a > c) ifTrue: [a] ifFalse: [c]]. y := x asArray. y := x asOrderedCollection. y := x asSortedCollection. y := x asBag. y := x asSet. </pre>
Associations		
<pre> x y x := #myVar->'hello'. y := x key. y := x value. </pre>	<pre> x y x := #myVar->'hello'. y := x key. y := x value. </pre>	<pre> x y x := #myVar->'hello'. y := x key. y := x value. </pre>
Dictionary		
<pre> b x y x := Dictionary new. x add: #a->4; add: #b->3; add: #c->1; add: #d->2; yourself. x at: #e put: 3. b := x isEmpty. y := x size. y := x at: #a ifAbsent: []. y := x keyAtValue: 3 ifAbsent: []. </pre>	<pre> b x y x := Dictionary new. x add: #a->4; add: #b->3; add: #c->1; add: #d->2; yourself. x at: #e put: 3. b := x isEmpty. y := x size. y := x at: #a ifAbsent: []. y := x keyAtValue: 3 ifAbsent: []. </pre>	<pre> b x y x := Dictionary new. x add: #a->4; add: #b->3; add: #c->1; add: #d->2; yourself. x at: #e put: 3. b := x isEmpty. y := x size. y := x at: #a ifAbsent: []. y := x keyAtValue: 3 ifAbsent: []. </pre>

DejaVu Sans 9	Source Code Pro 9	Source Sans Pro 9
<pre> y := x removeKey: #e ifAbsent: []. b := x includes: 3. b := x includesKey: #a. y := x occurrencesOf: 3. y := x keys. y := x values. x do: [:a Transcript show: a printString; cr]. x keysDo: [:a Transcript show: a printString; cr]. x associationsDo: [:a Transcript show: a printString; cr]. x keysAndValuesDo: [:aKey :aValue Transcript show: aKey printString; space; show: aValue printString; cr]. b := x conform: [:a (a >= 1) & (a <= 4)]. y := x select: [:a a > 2]. y := x reject: [:a a < 2]. y := x collect: [:a a + a]. y := x detect: [:a a > 3] ifNone: []. sum := 0. x do: [:a sum := sum + a]. sum. sum := x inject: 0 into: [:a :c a + c]. max := x inject: 0 into: [:a :c (a > c) ifTrue: [a] ifFalse: [c]]. y := x asArray. y := x asOrderedCollection. y := x asSortedCollection. y := x asBag. y := x asSet. Smalltalk at: #CMRGlobal put: 'CMR entry'. </pre>	<pre> y := x removeKey: #e ifAbsent: []. b := x includes: 3. b := x includesKey: #a. y := x occurrencesOf: 3. y := x keys. y := x values. x do: [:a Transcript show: a printString; cr]. x keysDo: [:a Transcript show: a printString; cr]. x associationsDo: [:a Transcript show: a printString; cr]. x keysAndValuesDo: [:aKey :aValue Transcript show: aKey printString; space; show: aValue printString; cr]. b := x conform: [:a (a >= 1) & (a <= 4)]. y := x select: [:a a > 2]. y := x reject: [:a a < 2]. y := x collect: [:a a + a]. y := x detect: [:a a > 3] ifNone: []. sum := 0. x do: [:a sum := sum + a]. sum. sum := x inject: 0 into: [:a :c a + c]. max := x inject: 0 into: [:a :c (a > c) ifTrue: [a] ifFalse: [c]]. y := x asArray. y := x asOrderedCollection. y := x asSortedCollection. y := x asBag. y := x asSet. Smalltalk at: #CMRGlobal put: 'CMR entry'. </pre>	<pre> y := x removeKey: #e ifAbsent: []. b := x includes: 3. b := x includesKey: #a. y := x occurrencesOf: 3. y := x keys. y := x values. x do: [:a Transcript show: a printString; cr]. x keysDo: [:a Transcript show: a printString; cr]. x associationsDo: [:a Transcript show: a printString; cr]. x keysAndValuesDo: [:aKey :aValue Transcript show: aKey printString; space; show: aValue printString; cr]. b := x conform: [:a (a >= 1) & (a <= 4)]. y := x select: [:a a > 2]. y := x reject: [:a a < 2]. y := x collect: [:a a + a]. y := x detect: [:a a > 3] ifNone: []. sum := 0. x do: [:a sum := sum + a]. sum. sum := x inject: 0 into: [:a :c a + c]. max := x inject: 0 into: [:a :c (a > c) ifTrue: [a] ifFalse: [c]]. y := x asArray. y := x asOrderedCollection. y := x asSortedCollection. y := x asBag. y := x asSet. Smalltalk at: #CMRGlobal put: 'CMR entry'. </pre>

DejaVu Sans 9	Source Code Pro 9	Source Sans Pro 9
<pre> x := Smalltalk at: #CMRGlobal. Transcript show: (CMRGlobal printString). Smalltalk keys do: [:k ((Smalltalk at: k) isKindOf: Class) ifFalse: [Transcript show: k printString; cr]]. Smalltalk at: #CMRDictionary put: (Dictionary new). CMRDictionary at: #MyVar1 put: 'hello1'. CMRDictionary add: #MyVar2->'hello2'. CMRDictionary size. CMRDictionary keys do: [:k Transcript show: k printString; cr]. CMRDictionary values do: [:k Transcript show: k printString; cr]. CMRDictionary keysAndValuesDo: [:aKey :aValue Transcript show: aKey printString; space; show: aValue printString; cr]. CMRDictionary associationsDo: [:aKeyValue Transcript show: aKeyValue printString; cr]. Smalltalk removeKey: #CMRGlobal ifAbsent: []. Smalltalk removeKey: #CMRDictionary ifAbsent: []. </pre>	<pre> x := Smalltalk at: #CMRGlobal. Transcript show: (CMRGlobal printString). Smalltalk keys do: [:k ((Smalltalk at: k) isKindOf: Class) ifFalse: [Transcript show: k printString; cr]]. Smalltalk at: #CMRDictionary put: (Dictionary new). CMRDictionary at: #MyVar1 put: 'hello1'. CMRDictionary add: #MyVar2->'hello2'. CMRDictionary size. CMRDictionary keys do: [:k Transcript show: k printString; cr]. CMRDictionary values do: [:k Transcript show: k printString; cr]. CMRDictionary keysAndValuesDo: [:aKey :aValue Transcript show: aKey printString; space; show: aValue printString; cr]. CMRDictionary associationsDo: [:aKeyValue Transcript show: aKeyValue printString; cr]. Smalltalk removeKey: #CMRGlobal ifAbsent: []. Smalltalk removeKey: #CMRDictionary ifAbsent: []]. </pre>	<pre> x := Smalltalk at: #CMRGlobal. Transcript show: (CMRGlobal printString). Smalltalk keys do: [:k ((Smalltalk at: k) isKindOf: Class) ifFalse: [Transcript show: k printString; cr]]. Smalltalk at: #CMRDictionary put: (Dictionary new). CMRDictionary at: #MyVar1 put: 'hello1'. CMRDictionary add: #MyVar2->'hello2'. CMRDictionary size. CMRDictionary keys do: [:k Transcript show: k printString; cr]. CMRDictionary values do: [:k Transcript show: k printString; cr]. CMRDictionary keysAndValuesDo: [:aKey :aValue Transcript show: aKey printString; space; show: aValue printString; cr]. CMRDictionary associationsDo: [:aKeyValue Transcript show: aKeyValue printString; cr]. Smalltalk removeKey: #CMRGlobal ifAbsent: []. Smalltalk removeKey: #CMRDictionary ifAbsent: []. </pre>
Internal Stream		
<pre> b x ios ios := ReadStream on: 'Hello read stream'. </pre>	<pre> b x ios ios := ReadStream on: 'Hello read stream'. </pre>	<pre> b x ios ios := ReadStream on: 'Hello read stream'. </pre>

DejaVu Sans 9	Source Code Pro 9	Source Sans Pro 9
<pre> ios := ReadStream on: 'Hello read stream' from: 1 to: 5. [(x := ios nextLine) notNil] whileTrue: [Transcript show: x; cr]. ios position: 3. ios position. x := ios next. x := ios peek. x := ios contents. b := ios atEnd. ios := ReadWriteStream on: 'Hello read stream'. ios := ReadWriteStream on: 'Hello read stream' from: 1 to: 5. ios := ReadWriteStream with: 'Hello read stream'. ios := ReadWriteStream with: 'Hello read stream' from: 1 to: 10. ios position: 0. [(x := ios nextLine) notNil] whileTrue: [Transcript show: x; cr]. ios position: 6. ios position. ios nextPutAll: 'Chris'. x := ios next. x := ios peek. x := ios contents. b := ios atEnd.</pre>	<pre> ios := ReadStream on: 'Hello read stream' from: 1 to: 5. [(x := ios nextLine) notNil] whileTrue: [Transcript show: x; cr]. ios position: 3. ios position. x := ios next. x := ios peek. x := ios contents. b := ios atEnd. ios := ReadWriteStream on: 'Hello read stream'. ios := ReadWriteStream on: 'Hello read stream' from: 1 to: 5. ios := ReadWriteStream with: 'Hello read stream'. ios := ReadWriteStream with: 'Hello read stream' from: 1 to: 10. ios position: 0. [(x := ios nextLine) notNil] whileTrue: [Transcript show: x; cr]. ios position: 6. ios position. ios nextPutAll: 'Chris'. x := ios next. x := ios peek. x := ios contents. b := ios atEnd.</pre>	<pre> ios := ReadStream on: 'Hello read stream' from: 1 to: 5. [(x := ios nextLine) notNil] whileTrue: [Transcript show: x; cr]. ios position: 3. ios position. x := ios next. x := ios peek. x := ios contents. b := ios atEnd. ios := ReadWriteStream on: 'Hello read stream'. ios := ReadWriteStream on: 'Hello read stream' from: 1 to: 5. ios := ReadWriteStream with: 'Hello read stream'. ios := ReadWriteStream with: 'Hello read stream' from: 1 to: 10. ios position: 0. [(x := ios nextLine) notNil] whileTrue: [Transcript show: x; cr]. ios position: 6. ios position. ios nextPutAll: 'Chris'. x := ios next. x := ios peek. x := ios contents. b := ios atEnd.</pre>
FileStream		
<pre> b x ios ios := FileStream newFileNamed: 'ios.txt'. ios nextPut: \$H; cr. ios nextPutAll: 'Hello File'; cr.</pre>	<pre> b x ios ios := FileStream newFileNamed: 'ios.txt'. ios nextPut: \$H; cr. ios nextPutAll: 'Hello File'; cr.</pre>	<pre> b x ios ios := FileStream newFileNamed: 'ios.txt'. ios nextPut: \$H; cr. ios nextPutAll: 'Hello File'; cr.</pre>

DejaVu Sans 9	Source Code Pro 9	Source Sans Pro 9
<pre>'Hello File' printOn: ios. 'Hello File' storeOn: ios. ios close. ios := FileStream oldFileName: 'ios.txt'. [(x := ios nextLine) notNil] whileTrue: [Transcript show: x; cr]. ios position: 3. x := ios position. x := ios next. x := ios peek. b := ios atEnd. ios close.</pre>	<pre>'Hello File' printOn: ios. 'Hello File' storeOn: ios. ios close. ios := FileStream oldFileName: 'ios.txt'. [(x := ios nextLine) notNil] whileTrue: [Transcript show: x; cr]. ios position: 3. x := ios position. x := ios next. x := ios peek. b := ios atEnd. ios close.</pre>	<pre>'Hello File' printOn: ios. 'Hello File' storeOn: ios. ios close. ios := FileStream oldFileName: 'ios.txt'. [(x := ios nextLine) notNil] whileTrue: [Transcript show: x; cr]. ios position: 3. x := ios position. x := ios next. x := ios peek. b := ios atEnd. ios close.</pre>
Date		
<pre> x y x := Date today. x := Date dateAndTimeNow. x := Date readFromString: '01/02/1999'. x := Date newDay: 12 month: #July year: 1999 x := Date fromDays: 36000. y := Date dayOfWeek: #Monday. y := Date indexOfMonth: #January. y := Date daysInMonth: 2 forYear: 1996. y := Date daysInYear: 1996. y := Date nameOfDay: 1 y := Date nameOfMonth: 1. y := Date leapYear: 1996. y := x weekday. y := x previous: #Monday. y := x dayOfMonth. y := x day.</pre>	<pre> x y x := Date today. x := Date dateAndTimeNow. x := Date readFromString: '01/02/1999'. x := Date newDay: 12 month: #July year: 1999 x := Date fromDays: 36000. y := Date dayOfWeek: #Monday. y := Date indexOfMonth: #January. y := Date daysInMonth: 2 forYear: 1996. y := Date daysInYear: 1996. y := Date nameOfDay: 1 y := Date nameOfMonth: 1. y := Date leapYear: 1996. y := x weekday. y := x previous: #Monday. y := x dayOfMonth. y := x day.</pre>	<pre> x y x := Date today. x := Date dateAndTimeNow. x := Date readFromString: '01/02/1999'. x := Date newDay: 12 month: #July year: 1999 x := Date fromDays: 36000. y := Date dayOfWeek: #Monday. y := Date indexOfMonth: #January. y := Date daysInMonth: 2 forYear: 1996. y := Date daysInYear: 1996. y := Date nameOfDay: 1 y := Date nameOfMonth: 1. y := Date leapYear: 1996. y := x weekday. y := x previous: #Monday. y := x dayOfMonth. y := x day.</pre>

DejaVu Sans 9	Source Code Pro 9	Source Sans Pro 9
y := x firstDayOfMonth.	y := x firstDayOfMonth.	y := x firstDayOfMonth.
y := x monthName.	y := x monthName.	y := x monthName.
y := x monthIndex.	y := x monthIndex.	y := x monthIndex.
y := x daysInMonth.	y := x daysInMonth.	y := x daysInMonth.
y := x year.	y := x year.	y := x year.
y := x daysInYear.	y := x daysInYear.	y := x daysInYear.
y := x daysLeftInYear.	y := x daysLeftInYear.	y := x daysLeftInYear.
y := x asSeconds.	y := x asSeconds.	y := x asSeconds.
y := x addDays: 10.	y := x addDays: 10.	y := x addDays: 10.
y := x subtractDays: 10.	y := x subtractDays: 10.	y := x subtractDays: 10.
y := x subtractDate: (Date today).	y := x subtractDate: (Date today).	y := x subtractDate: (Date today).
y := x printFormat: #(2 1 3 \$/ 1 1).	y := x printFormat: #(2 1 3 \$/ 1 1).	y := x printFormat: #(2 1 3 \$/ 1 1).
b := (x <= Date today).	b := (x <= Date today).	b := (x <= Date today).
Time		
x y	x y	x y
x := Time now.	x := Time now.	x := Time now.
x := Time dateAndTimeNow.	x := Time dateAndTimeNow.	x := Time dateAndTimeNow.
x := Time readFromTimeString: '3:47:26 pm'.	x := Time readFromTimeString: '3:47:26 pm'.	x := Time readFromTimeString: '3:47:26 pm'.
x := Time fromSeconds: (60 * 60 * 4).	x := Time fromSeconds: (60 * 60 * 4).	x := Time fromSeconds: (60 * 60 * 4).
y := Time millisecondClockValue.	y := Time millisecondClockValue.	y := Time millisecondClockValue.
y := Time totalSeconds.	y := Time totalSeconds.	y := Time totalSeconds.
y := x seconds.	y := x seconds.	y := x seconds.
y := x minutes.	y := x minutes.	y := x minutes.
y := x hours.	y := x hours.	y := x hours.
y := x addTime: (Time now).	y := x addTime: (Time now).	y := x addTime: (Time now).
y := x subtractTime: (Time now).	y := x subtractTime: (Time now).	y := x subtractTime: (Time now).
y := x asSeconds.	y := x asSeconds.	y := x asSeconds.
x := Time millisecondsToRun: [	x := Time millisecondsToRun: [	x := Time millisecondsToRun: [
1 to: 1000 do: [:index y := 3.14 * index]].	1 to: 1000 do: [:index y := 3.14 * index]].	1 to: 1000 do: [:index y := 3.14 * index]].
b := (x <= Time now).	b := (x <= Time now).	b := (x <= Time now).

DejaVu Sans 9	Source Code Pro 9	Source Sans Pro 9
Point		
x y	x y	xy
x := 200@100.	x := 200@100.	x := 200@100.
y := x x.	y := x x.	y := x x.
y := x y.	y := x y.	y := x y.
x := 200@100 negated.	x := 200@100 negated.	x := 200@100 negated.
x := (-200@-100) abs.	x := (-200@-100) abs.	x := (-200@-100) abs.
x := (200.5@100.5) rounded.	x := (200.5@100.5) rounded.	x := (200.5@100.5) rounded.
x := (200.5@100.5) truncated.	x := (200.5@100.5) truncated.	x := (200.5@100.5) truncated.
x := 200@100 + 100.	x := 200@100 + 100.	x := 200@100 + 100.
x := 200@100 - 100.	x := 200@100 - 100.	x := 200@100 - 100.
x := 200@100 * 2.	x := 200@100 * 2.	x := 200@100 * 2.
x := 200@100 / 2.	x := 200@100 / 2.	x := 200@100 / 2.
x := 200@100 // 2.	x := 200@100 // 2.	x := 200@100 // 2.
x := 200@100 \ 3.	x := 200@100 \ 3.	x := 200@100 \ 3.
x := 200@100 + 50@25.	x := 200@100 + 50@25.	x := 200@100 + 50@25.
x := 200@100 - 50@25.	x := 200@100 - 50@25.	x := 200@100 - 50@25.
x := 200@100 * 3@4.	x := 200@100 * 3@4.	x := 200@100 * 3@4.
x := 200@100 // 3@4.	x := 200@100 // 3@4.	x := 200@100 // 3@4.
x := 200@100 max: 50@200.	x := 200@100 max: 50@200.	x := 200@100 max: 50@200.
x := 200@100 min: 50@200.	x := 200@100 min: 50@200.	x := 200@100 min: 50@200.
x := 20@5 dotProduct: 10@2.	x := 20@5 dotProduct: 10@2.	x := 20@5 dotProduct: 10@2.
Dynamic message calling/compiling		
receiver message result argument keyword1 keyword2 argument1 argument2	receiver message result argument keyword1 keyword2 argument1 argument2	receiver message result argument keyword1 keyword2 argument1 argument2
unary message		
receiver := 5.	receiver := 5.	receiver := 5.
message := 'factorial' asSymbol.	message := 'factorial' asSymbol.	message := 'factorial' asSymbol.
result := receiver perform: message.	result := receiver perform: message.	result := receiver perform: message.
result := Compiler evaluate: ((receiver storeString), ' message).	result := Compiler evaluate: ((receiver storeString), ' ', message).	result := Compiler evaluate: ((receiver storeString), ' message).

DejaVu Sans 9	Source Code Pro 9	Source Sans Pro 9
result := (Message new setSelector: message arguments: #()) sentTo: receiver.	result := (Message new setSelector: message arguments: #()) sentTo: receiver.	result := (Message new setSelector: message arguments: #()) sentTo: receiver.
binary message		
receiver := 1.	receiver := 1.	receiver := 1.
message := '+' asSymbol.	message := '+' asSymbol.	message := '+' asSymbol.
argument := 2.	argument := 2.	argument := 2.
result := receiver perform: message withArguments: (Array with: argument).	result := receiver perform: message withArguments: (Array with: argument).	result := receiver perform: message withArguments: (Array with: argument).
result := Compiler evaluate: ((receiver storeString), ' ', message, ' ', (argument storeString)).	result := Compiler evaluate: ((receiver storeString), ' ', message, ' ', (argument storeString)).	result := Compiler evaluate: ((receiver storeString), ' ', message, ' ', (argument storeString)).
result := (Message new setSelector: message arguments: (Array with: argument)) sentTo: receiver.	result := (Message new setSelector: message arguments: (Array with: argument)) sentTo: receiver.	result := (Message new setSelector: message arguments: (Array with: argument)) sentTo: receiver.
keyword messages		
receiver := 12.	receiver := 12.	receiver := 12.
keyword1 := 'between:' asSymbol.	keyword1 := 'between:' asSymbol.	keyword1 := 'between:' asSymbol.
keyword2 := 'and:' asSymbol.	keyword2 := 'and:' asSymbol.	keyword2 := 'and:' asSymbol.
argument1 := 10.	argument1 := 10.	argument1 := 10.
argument2 := 20.	argument2 := 20.	argument2 := 20.
result := receiver	result := receiver	result := receiver
perform: (keyword1, keyword2) asSymbol	perform: (keyword1, keyword2) asSymbol	perform: (keyword1, keyword2) asSymbol
withArguments: (Array with: argument1 with: argument2).	withArguments: (Array with: argument1 with: argument2).	withArguments: (Array with: argument1 with: argument2).
result := Compiler evaluate:	result := Compiler evaluate:	result := Compiler evaluate:
((receiver storeString), ' ', keyword1, (argument1 storeString), ' ', keyword2, (argument2 storeString)).	((receiver storeString), ' ', keyword1, (argument1 storeString), ' ', keyword2, (argument2 storeString)).	((receiver storeString), ' ', keyword1, (argument1 storeString), ' ', keyword2, (argument2 storeString)).
result := (Message new	result := (Message new	result := (Message new
setSelector: (keyword1, keyword2) asSymbol	setSelector: (keyword1, keyword2) asSymbol	setSelector: (keyword1, keyword2) asSymbol
arguments: (Array with: argument1 with: argument2))	arguments: (Array with: argument1 with: argument2))	arguments: (Array with: argument1 with: argument2))
sentTo: receiver.	sentTo: receiver.	sentTo: receiver.
Class/meta-class		

DejaVu Sans 9	Source Code Pro 9	Source Sans Pro 9
b x	b x	b x
x := String name.	x := String name.	x := String name.
x := String category.	x := String category.	x := String category.
x := String comment.	x := String comment.	x := String comment.
x := String kindOfSubclass.	x := String kindOfSubclass.	x := String kindOfSubclass.
x := String definition.	x := String definition.	x := String definition.
x := String instVarNames.	x := String instVarNames.	x := String instVarNames.
x := String allInstVarNames.	x := String allInstVarNames.	x := String allInstVarNames.
x := String classVarNames.	x := String classVarNames.	x := String classVarNames.
x := String allClassVarNames.	x := String allClassVarNames.	x := String allClassVarNames.
x := String sharedPools.	x := String sharedPools.	x := String sharedPools.
x := String allSharedPools.	x := String allSharedPools.	x := String allSharedPools.
x := String selectors.	x := String selectors.	x := String selectors.
x := String sourceCodeAt: #size.	x := String sourceCodeAt: #size.	x := String sourceCodeAt: #size.
x := String allInstances.	x := String allInstances.	x := String allInstances.
x := String superclass.	x := String superclass.	x := String superclass.
x := String allSuperclasses.	x := String allSuperclasses.	x := String allSuperclasses.
x := String withAllSuperclasses.	x := String withAllSuperclasses.	x := String withAllSuperclasses.
x := String subclasses.	x := String subclasses.	x := String subclasses.
x := String allSubclasses.	x := String allSubclasses.	x := String allSubclasses.
x := String withAllSubclasses.	x := String withAllSubclasses.	x := String withAllSubclasses.
b := String instSize.	b := String instSize.	b := String instSize.
b := String isPointers.	b := String isPointers.	b := String isPointers.
b := String isBits.	b := String isBits.	b := String isBits.
b := String isBytes.	b := String isBytes.	b := String isBytes.
b := String isWords.	b := String isWords.	b := String isWords.
Object withAllSubclasses size.	Object withAllSubclasses size.	Object withAllSubclasses size.
Debugging		
a b x	a b x	a b x
x yourself.	x yourself.	x yourself.

DejaVu Sans 9

```
String browse.  
x inspect.  
x confirm: 'Is this correct?'.  
x halt.  
x halt: 'Halt message'.  
x notify: 'Notify text'.  
x error: 'Error string'.  
x doesNotUnderstand: #cmrMessage.  
x shouldNotImplement.  
x subclassResponsibility.  
x errorImproperStore.  
x errorNonIntegerIndex.  
x errorSubscriptBounds.  
x primitiveFailed.
```

Source Code Pro 9

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Source Sans Pro 9

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