

#=>True

=> False

not $\# \Rightarrow$ False

and $\# \Rightarrow$ False

or $\# \Rightarrow \text{True}(\text{short-circuits})$

1#1true#=>true

2 3 5 # => False

1 \Rightarrow 1 # \Rightarrow False

2 3 true 5 # => true

1 != 10 true # == true

2 ≠ 0 ⇒ True

1 2 3 # \Rightarrow True (1 < 2 and 2 < 3)

1 2 3 # == > False (1 < 2 and 2 >= 3)

Booleans

True	# => True
False	# => False

not True	# => False
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True and False	# => False
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True or False	# => True (short-circuits)
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1 == 1	# => True
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2 * 3 == 5	# => False
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1 != 1	# => False
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2 * 3 != 5	# => True
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1 < 10	# => True
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2 >= 0	# => True
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1 < 2 < 3	# => True (1 < 2 and 2 < 3)
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1 < 2 >= 3	# => False (1 < 2 and 2 >= 3)
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bool is a subtype of int, where
True == 1 and False == 0

Strings