



# ==> 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

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