

PredicateHelper

A helper contract for executing boolean functions on arbitrary target call results

Functions

or

function

or (uint256 offsets , bytes

calldata data)

public

view

returns (bool) Calls every target with corresponding data

Parameters:

Name	Type	Description
offsets	uint256	data bytes

Return values

Type	Description
bool	True if call to any target returned True. Otherwise, false

and

function

and (uint256 offsets , bytes

calldata data)

public

view

returns (bool) Checks if a given flag is set for the provided address

Parameters:

Name	Type	Description
offsets	uint256	data bytes

Return values

Type	Description
bool	True if calls to all targets returned True. Otherwise, false

not

function

not (bytes

calldata data)

public

view

returns (bool) Calls target with specified data and tests if it's equal to 0

Parameters:

Name	Type	Description
data	bytes	

Return values

Type Description bool True if call to target returns 0. Otherwise, false

eq

function

eq (uint256 value , bytes

calldata data)

public

view

returns (bool) Calls target with specified data and tests if it's equal to the value

Parameters:

Name	Type	Description
value	uint256	Value to test data bytes

Return values

Type Description bool True if call to target returns the same value asvalue . Otherwise, false

lt

function

lt (uint256 value , bytes

calldata data)

public

view

returns (bool) Calls target with specified data and tests if it's lower than value

Parameters:

Name	Type	Description
value	uint256	Value to test data bytes

Return values

Type Description bool True if call to target returns value which is lower thanvalue . Otherwise, false

gt

function

gt (uint256 value , bytes

calldata data)

public

view

returns (bool) Calls target with specified data and tests if it's bigger than value

Parameters:

Name	Type	Description
value	uint256	Value to test data bytes

Return values

Type Description bool True if call to target returns value which is bigger thanvalue . Otherwise, false

arbitraryStaticCall

function
arbitraryStaticCall (address target , bytes
calldata data)
public
view
returns (uint256) Performs an arbitrary call to target with data

Parameters:

Name	Type	Description
target	address	Value to test data bytes

Return values

Type	Description
uint256	Bytes transmuted to uint256

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