AddressLib

Library for working with addresses encoded as uint256 values, which can include flags in the highest bits.type Address is uint256;

Functions

get

function

get (Address a)

internal

pure

returns

(address) Returns the address representation of a uint256

Parameters:

Name Type Description a Address The uint256 value to convert to an address

Return values

Type Description address The address representation of the provided uint256 value

getFlag

function

getFlag (Address a , uint256 flag)

internal

pure

returns

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

Parameters:

Name Type Description a Address The address to check for the flag flag uint256 The flag to check for in the provided address

Return values

Type Description bool True if the provided flag is set in the address, false otherwise

getUint32

function

getUint32 (Address a , uint256 offset)

internal

pure

returns

(uint32) Returns a uint32 value stored at a specific bit offset in the provided address

Parameters:

Name Type Description a Address The address containing the uint32 value offset uint256 The bit offset at which the uint32 value is stored

Return values

Type Description uint32 The uint32 value stored in the address at the specified bit offset

getUint64

function

getUint64 (Address a , uint256 offset)

internal

pure

returns

(uint64) Returns a uint64 value stored at a specific bit offset in the provided address

Parameters:

Name Type Description a Address The address containing the uint64 value offset uint256 The bit offset at which the uint64 value is stored

Return values

Type Description uint64 The uint64 value stored in the address at the specified bit offsetEdit this page Previous UnoswapRouter Next EthReceiver