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RemainingInvalidator

RemainingInvalidatorLib

The library provides a mechanism to invalidate order based on the remaining amount of the order.

The remaining amount is used as a nonce to invalidate the order. When order is created, the remaining invalidator is 0. When order is filled, the remaining invalidator is the inverse of the remaining amount.

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Functions

isNewOrder

function isNewOrder(RemainingInvalidator invalidator) internal pure returns (bool)

Checks if an order is new based on the invalidator value.

Parameters

Name	Туре	Description
invalidator	RemainingInvalidator	The remaining invalidator of the order.

Return Values

Name	Туре	Description
[0]	bool	result Whether the order is new or not.

remaining

function remaining(RemainingInvalidator invalidator) internal pure returns (uint256)

Retrieves the remaining amount for an order.

If the order is unknown, a RemainingInvalidatedOrder error is thrown.

Parameters

Name	Туре	Description	
invalidator	RemainingInvalidator	The remaining invalidator for the order.	

Return Values

Name	Type	Description
[0]	uint256	result The remaining amount for the order.

remaining

function remaining(RemainingInvalidator invalidator, uint256 orderMakerAmount) internal pure returns (uint25

Calculates the remaining amount for an order.

If the order is unknown, the order maker amount is returned.

Parameters

Name	Туре	Description
invalidator	RemainingInvalidator	The remaining invalidator for the order.
orderMakerAmount uint256		The amount to return if the order is new.

Return Values

Name	Туре	Description
[0]	uint256	result The remaining amount for the order.

remains

dator)

Calculates the remaining invalidator of the order.

Parameters

Name	Туре	Description
remainingMakingAmount	uint256	The remaining making amount of the order.
makingAmount	uint256	The making amount of the order.

Return Values

Name	Туре	Description
[0]	RemainingInvalidator	result The remaining invalidator for the order.

fullyFilled

function fullyFilled() internal pure returns (RemainingInvalidator)

Provides the remaining invalidator for a fully filled order.

Return Values

Name	Туре	Description
[0]	RemainingInvalidator	result The remaining invalidator for a fully filled order.

Errors

RemainingInvalidatedOrder

error RemainingInvalidatedOrder()

The error is thrown when an attempt is made to invalidate an already invalidated entity.



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