

calculateTradeTargetAmount()

...

```
CarbonController.sol Copy function calculateTradeTargetAmount( TokensourceToken, TokentargetToken, TradeAction[] calldata tradeActions ) external view returns (uint128);
```

...

This function is used to get the number of source tokens that would be required to trade to receive the indicated number of target tokens.

Function Arguments

Name	Type	Description
sourceToken	Token	The address of the token being swapped into the trade
targetToken	Token	The address of the token received from the trade
tradeActions	array	The list of TradeAction objects that specify the route of the trade

The TradeAction object contains the strategy ID of the strategy that is being swapped into, and the number of tokens being swapped in.

For example: {712, 1500000000000000000}

Returns

This returns the number of source tokens expected to be returned by the specified trade.

Example

...

```
Copy tradeTargetAmount( 0xEeeeeEeeeEeEeeEeEeEEEEeeeeEeeeeeeeEEeE, //token0  
0x514910771AF9Ca656af840dff83E8264EcF986CA, //token1 [{712,1500000000000000000}, {615,  
2300000000000000000}] // TradeAction {id, amount} )
```

```
// Return // 7300000000000000000 source tokens
```

...

For the ETH token, use the contract address:0xEeeeeEeeeEeEeeEeEeEEEEeeeeEeeeeeeeEEeE

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