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tradeByTargetAmount()

The function parameters must include the list of orders (tradeActions) to interact with.

Using the SDK is highly recommended. See [Performing Trades](#) for details.

FunctiontradeByTargetAmount()

This function will trade to receive the exact amount of indicatedtarget tokens for as fewsource tokens as possible.

```

CarbonController.sol Copy functiontradeByTargetAmount( TokensourceToken, TokentargetToken, TradeAction[]calldatatradeActions, uint256deadline, uint128maxInput )externalpayablenonReentrantwhenNotPausedonlyProxyDelegatereturns(uint128)

```

Function Arguments

Name Type Description sourceToken Token The source token address targetToken Token The target token address tradeActions list This is a list of TradeAction objects, each of which contain thestrategyId andamount of target tokens toreceive from the strategy. deadline uint256 Unix timestamp after which the transaction will revert maxInput uint128 The maximum amount of source tokens you are willing to spend (use) for the transaction to result in the requested targetToken amount and not revert tradeActionamount need to follow the relevant token decimal. tradeByTargetAmount, follows the targetToken decimals

Example

```

Copy tradeByTargetAmount( 0xC02aaA39b223FE8D0A0e5C4F27eAD9083C756Cc2,//source token 0x1F573D6Fb3F13d689FF844B4cE37794d79a7FF1C,//target token [{59, 1600000000000000000}, {72, 3140000000000000000}], //array of tradeActions [{strategyId, amount},{strategyId, amount}...] 1675680190,//deadline 5320000000000000000//maxInput )

```

While all required data is available on chain, it is recommended to use the [Carbon DeFi SDK](#) . To trade directly with the ETH token, use the contract address:0xEeeeeEeeeEeEeeEeEeEeeEEEeeeeEeeeeeeeEEeE [Previous tradeBySourceAmount()](#) [Next Strategy Management](#) Last updated1 month ago