function-arguments)

- [Returns](#)
- [Example](#)

calculateTradeSourceAmount()

```
```

CarbonController.sol Copy functioncalculateTradeSourceAmount(TokensourceToken, TokentargetToken, TradeAction[]calldatatradeActions)externalviewreturns(uint128);

```
```

This function is used to get the number of target tokens that would be received by trading the indicated number of source 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 target tokens expected to be returned by the specified trade.

Example

```
```

Copy tradeSourceAmount(0xEeeeeEeeeEeEeeEeEeEeeEEEeeeeEeeeeeeeEEeE, //token0 0x514910771AF9Ca656af840dff83E8264EcF986CA, //token1 [(712,1500000000000000000), (615, 2300000000000000000)] // TradeAction (id, amount))

// Return // 7300000000000000000

```
```

For the ETH token, use the contract address:0xEeeeeEeeeEeEeeEeEeEeeEEEeeeeEeeeeeeeEEeE [Previous strategiesByPairCount()](#) [Next calculateTradeTargetAmount()](#) Last updated9 months ago