Development FAQ

This page collects frequently asked questions specifically related to developin on Maverick's contracts. *How do I find the contract address for a pool or boosted position? * Are there testnet addresses for the Maverick contracts? * How do I calculateamountOutMinimum ? * Is there an SDK that will give me the best path for a given trade?* How do I find thebinID for a pool? * When callingremoveLiquidity , how do I find thebinID andamount for a given wallet address?* What formula should I use to convert price to tick? *

How do I find the contract address for a pool or boosted position?

These are all linked on the page for each pool or boosted position.

Click this icon to find the contract address for a pool or boosted position.

Are there testnet addresses for the Maverick contracts?

The Maverick contracts are available on Ethereum Goerli for testing purposes. These are the same contracts used by Maverick on all networks. All addresses are listedhere .

How do I calculateamountOutMinimum ?

The PoolInformation contract has acalculateSwap estimator. It will tell you the output you can expect. Then you can setamountOutMinimum to a slightly smaller value, in order to limit slippage to a worst case value.

Is there an SDK that will give me the best path for a given trade?

All of the aggregators (e.g., Odos, OpenOcean, 1inch, Paraswap) maintain APIs where you can route just through Maverick's pools and find a best path.

How do I find thebinID for a pool?

UsebinPositions on the Pool contract:https://github.com/maverickprotocol/maverick-v1-interfaces/blob/main/contracts/interfaces/IPool.sol#L106

When callingremoveLiquidity , how do I findbinId andamount for a wallet address?

The PoolInformation contract has a view function that will tell you thebinId of your positions. Once you have that, the Pool contract has abalanceOf function that will tell you the amount per bin. You can also overestimate and the contract will only return the amount you actually have.

What formula should I use to convertprice totick ?

The formula islog_1.0001(price) = tick * tickSpacing

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