

Free TON online Auctions

Developed by **TON RED** team

Github: <https://github.com/tonred/auction> (see for detail documentation)

Viewer for mainnet*: <https://auction-viewer.ton.red/?network=main.ton.dev&root=0:3d3efe33d552f2ebc2cafb9fbe8547b929c557426eed4dd68d37a9b933d1b118>

Root address in mainnet*: 0:3d3efe33d552f2ebc2cafb9fbe8547b929c557426eed4dd68d37a9b933d1b118

DeBot address in mainnet*: 0:b7ab4ab8db821a73c2e7d14ac8545f7900a0d6e176d169489fee0ba8038a006d

TG: @Abionics

**addresses for testnet is same, but testnet is often rebooted. You can contact us in TG and we will redeploy*

Key features

01

Six types of auctions

04

Well-tested using ts4

02

Custom configuration
of each auction

05

Browser viewer for
deployed auctions

03

Infinity amount of
auctions and bids, no
mapping

06

TIP3 start integration

Building

```
graph LR; A[make setup] --> B[make build  
make tests]; B --> C[make deploy-root  
make deploy-debot];
```

make setup

make build
make tests

make deploy-root
make deploy-debot

See more technical details in Github repository

Types of auctions

English

Dutch

Blind

Forward

English Forward

Dutch Forward

Blind Forward

Reverse

English Reverse

Dutch Reverse

Blind Reverse

Description for constructors for each type in Github repository

Testing

✓ Test Results	449 ms
✓ blind_forward	449 ms
✓ BlindForwardAuctionTest	449 ms
✓ test_bid_in_close_phase	31 ms
✓ test_bid_in_confirmation_time	19 ms
✓ test_bid_in_open_phases	17 ms
✓ test_bid_in_wait_phases	14 ms
✓ test_bid_on_confirmation_time	21 ms
✓ test_confirm_bid	87 ms
✓ test_confirmation_time	6 ms
✓ test_finish_outside	6 ms
✓ test_id	6 ms
✓ test_low_bid_value	25 ms
✓ test_low_confirmation_time	41 ms
✓ test_open_time	6 ms
✓ test_owner	6 ms
✓ test_phases	32 ms
✓ test_remove_bid	42 ms
✓ test_several_bids	90 ms

✓ Test Results	95 ms
✓ workflow	95 ms
✓ WorkflowTest	95 ms
✓ test_workflow	95 ms

✓ Test Results	523 ms
✓ blind_reverse	523 ms
✓ BlindReverseAuctionTest	523 ms
✓ test_bid_in_close_phase	36 ms
✓ test_bid_in_confirmation_time	28 ms
✓ test_bid_in_open_phases	33 ms
✓ test_bid_in_wait_phases	34 ms
✓ test_bid_on_confirmation_time	32 ms
✓ test_confirm_bid	40 ms
✓ test_confirmation_time	5 ms
✓ test_finish_outside	4 ms
✓ test_id	7 ms
✓ test_low_bid_value	36 ms
✓ test_open_time	12 ms
✓ test_owner	15 ms
✓ test_phases	53 ms
✓ test_remove_bid	51 ms
✓ test_several_bids	137 ms

✓ Test Results	478 ms
✓ root	478 ms
✓ RootAuctionTest	478 ms
✓ test_after_init_call	64 ms
✓ test_call_before_init	63 ms
✓ test_deploy_blind_for	56 ms
✓ test_deploy_blind_rev	51 ms
✓ test_deploy_dutch_for	48 ms
✓ test_deploy_dutch_rev	41 ms
✓ test_deploy_english_f	53 ms
✓ test_deploy_english_r	44 ms
✓ test_double_init_call	28 ms
✓ test_initiated	30 ms

✓ Test Results	262 ms
✓ english_reverse	262 ms
✓ EnglishReverseAuctionTest	262 ms
✓ test_bid_in_close_phase	39 ms
✓ test_bid_in_open_phases	21 ms
✓ test_bid_in_wait_phases	12 ms
✓ test_bid_on_close	20 ms
✓ test_decreasing_bids	45 ms
✓ test_finish_outside	5 ms
✓ test_high_bids_start	24 ms
✓ test_id	5 ms
✓ test_low_bids_step	32 ms
✓ test_open_time	12 ms
✓ test_owner	8 ms
✓ test_phases	39 ms

✓ Test Results	290 ms
✓ dutch_forward	290 ms
✓ DutchForwardAuctionTest	290 ms
✓ test_bid_in_close_phase	31 ms
✓ test_bid_in_open_phases	24 ms
✓ test_bid_in_wait_phases	12 ms
✓ test_bid_on_close	29 ms
✓ test_current_price	30 ms
✓ test_finish_outside	8 ms
✓ test_id	7 ms
✓ test_low_bids_start	26 ms
✓ test_low_bids_step	19 ms
✓ test_low_msg_value	38 ms
✓ test_open_time	13 ms
✓ test_owner	10 ms
✓ test_phases	43 ms

✓ Test Results	383 ms
✓ dutch_reverse	383 ms
✓ DutchReverseAuctionTest	383 ms
✓ test_bid_in_close_phase	17 ms
✓ test_bid_in_open_phases	13 ms
✓ test_bid_in_wait_phases	6 ms
✓ test_bid_on_close	9 ms
✓ test_current_price	11 ms
✓ test_finish_outside	3 ms
✓ test_high_bids_start	9 ms
✓ test_high_bids_step	6 ms
✓ test_id	4 ms
✓ test_open_time	4 ms
✓ test_owner	4 ms
✓ test_phases	297 ms

✓ Test Results	372 ms
✓ english_forward	372 ms
✓ EnglishForwardAuctionTest	372 ms
✓ test_bid_in_close_phase	45 ms
✓ test_bid_in_open_phases	26 ms
✓ test_bid_in_wait_phases	22 ms
✓ test_bid_on_close	34 ms
✓ test_bid_return	52 ms
✓ test_finish_outside	8 ms
✓ test_id	10 ms
✓ test_increasing_bids	86 ms
✓ test_low_bids_start	27 ms
✓ test_low_bids_step	27 ms
✓ test_open_time	5 ms
✓ test_owner	5 ms
✓ test_phases	25 ms

or use `make tests`
to run all

Viewer

Latest Auctions

#	Type	Direction	Status	Duration	Bids	Created At
6	Blind	Reverse	Open	336 h	0	30/04/2021, 21:45:55
5	Blind	Forward	Open	336 h	0	30/04/2021, 21:45:55
4	Dutch	Reverse	Open	336 h	0	30/04/2021, 21:45:55
3	Dutch	Forward	Open	336 h	0	30/04/2021, 21:45:55
2	English	Reverse	Open	336 h	0	30/04/2021, 21:45:55
1	English	Forward	Open	336 h	0	30/04/2021, 21:45:55

[Load More](#)

Auction #3 Dutch Forward

Address	0:40121114c932ea34f02e015488b59af24fcc8386e5a5084e8dc33fa9760b9b63
Owner	0:7b4a591d80fd9225529939bfa3647eadaf09c3928518f32dc7a00c8c4774cf7e
Created At	30/04/2021, 21:45:55
Duration	336 h
Phase	Open
Bids Amount	0
Finish Value	1
Current Value	99.96996279700001

Debot

! Important ! You must call "**Set Multisig**" before deploying any type of auction

Hello, I am a Auction debot!

Input Root Address:

Кристаллы

0:fa94171cb0565789224814561cc558e59315971ee9d03085de3dcb5f8b94d95e

Main menu

Set Multisig

Type Multisig address

Кристаллы

0:fa94171cb0565789224814561cc558e59315971ee9d03085de3dcb5f8b94d95e

Main menu

Main menu

Create auction

English Forward

Enter start value:

1

Enter step value:

1

Enter open duration:

1 000

Deploying!

How would you like to sign?

Sign with Surf

Transaction confirmation

Total
2,000 000 000

Fees
0,019 102 908

Signature
Sign with Surf

Confirm

Sending message
7d6d41398616974d48b606cf49f61d52ab7329d907b22af413422b230c025796

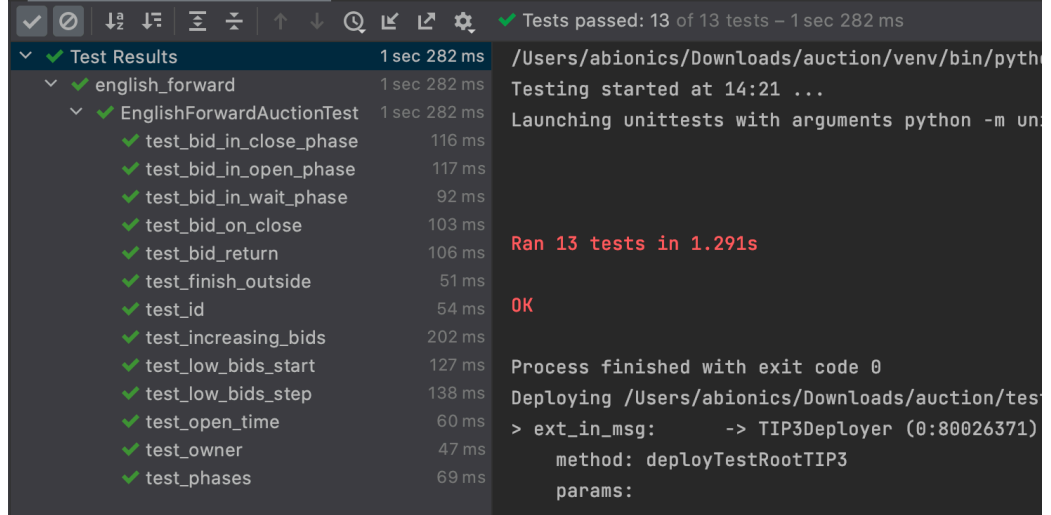
TIP3

Branch: [tip3](#)

As demo, only English Forward type is done for TIP3 tokens. Used broxus TIP3

implementation (see realization [here](#) - RootTokenContract.sol and TONTokenWallet.sol)

TIP3 demo also contains ts4 tests



```
✓ Tests passed: 13 of 13 tests - 1 sec 282 ms
✓ Test Results 1 sec 282 ms
  ✓ english_forward 1 sec 282 ms
    ✓ EnglishForwardAuctionTest 1 sec 282 ms
      ✓ test_bid_in_close_phase 116 ms
      ✓ test_bid_in_open_phase 117 ms
      ✓ test_bid_in_wait_phase 92 ms
      ✓ test_bid_on_close 103 ms
      ✓ test_bid_return 106 ms
      ✓ test_finish_outside 51 ms
      ✓ test_id 54 ms
      ✓ test_increasing_bids 202 ms
      ✓ test_low_bids_start 127 ms
      ✓ test_low_bids_step 138 ms
      ✓ test_open_time 60 ms
      ✓ test_owner 47 ms
      ✓ test_phases 69 ms
  Ran 13 tests in 1.291s
  OK
  Process finished with exit code 0
  Deploying /Users/abionics/Downloads/auction/tes
  > ext_in_msg: -> TIP3Deployer (0:80026371)
    method: deployTestRootTIP3
    params:
```