







Spamming data into a StarkNet contract

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What can a StarkNet contract do that an EVM contract can not?

- Maybe lots of computation?
- Cairo has hints, StarkNet doesn't support them
- But we can still push lots of data into storage and try to make a long computation with all of it
- Code at https://goerli.voyager.online/contract/0x07e44ee22baaf27cb9d 8b72b2e4ed566e8bd0d364d9cb00fd4000d0a4734d051#code



```
(cairo) jtakalai@MacBook-Pro:panda (main)$ python spam.py 0x07e44ee22baaf27cb9d8b72b2e4ed566e8bd0d364d9cb00fd4000d0a4734d051
starknet invoke --address 0x07e44ee22baaf27cb9d8b72b2e4ed566e8bd0d364d9cb00fd4000d0a4734d051 --abi allocation_abi.json --function push_metric --inputs 2
Transaction hash: 0x5d9da04529f686eac22eb4eda19566dfd5313051a54e4fd47a047f9de1be31
starknet invoke --address 0x07e44ee22baaf27cb9d8b72b2e4ed566e8bd0d364d9cb00fd4000d0a4734d051 --abi allocation_abi.json --function push_metric --inputs 3
Transaction hash: 0x66e3b0fc0a9b12916e23006d89817381e576a70db2b2846edaa38789108d47d
starknet invoke --address 0x07e44ee22baaf27cb9d8b72b2e4ed566e8bd0d364d9cb00fd4000d0a4734d051 --abi allocation_abi.json --function push_metric --inputs 4
Transaction hash: 0x5facdd13ea4bdf1f470a392dd1c49afe7b01a1a8347c52295cfe5d7ad9e2884
starknet invoke --address 0x07e44ee22baaf27cb9d8b72b2e4ed566e8bd0d364d9cb00fd4000d0a4734d051 --abi allocation_abi.json --function push_metric --inputs 5
Transaction hash: 0x4cee4a68f4fdb1a4b5a430214a9369db35dca5b9d61a46669c243b9554fe0ed
starknet invoke --address 0x07e44ee22baaf27cb9d8b72b2e4ed566e8bd0d364d9cb00fd4000d0a4734d051 --abi allocation_abi.json --function push_metric --inputs 6
Transaction hash: 0x31a4e3af6ca8d20ffcc0b88e7835a5c96bb9b67c51c987ed59af72df2ce690d
starknet invoke --address 0x07e44ee22baaf27cb9d8b72b2e4ed566e8bd0d364d9cb00fd4000d0a4734d051 --abi allocation_abi.json --function push_metric --inputs 7
Transaction hash: 0x7b057107087b86b7edcdef1045e544ac375211767fa3c1d2d1c34469e462765
starknet invoke --address 0x07e44ee22baaf27cb9d8b72b2e4ed566e8bd0d364d9cb00fd4000d0a4734d051 --abi allocation_abi.json --function push_metric --inputs 8
Transaction hash: 0x3884fe173ed91c649c495f9175609ce2930c83926bd635acc65733632b43dea
starknet invoke --address 0x07e44ee22baaf27cb9d8b72b2e4ed566e8bd0d364d9cb00fd4000d0a4734d051 --abi allocation_abi.json --function push_metric --inputs 9
Transaction hash: 0x42d13ec4d2cc8c773b3d7e1698638c1c684269053de3a052516d564e8a08aca
starknet invoke --address 0x07e44ee22baaf27cb9d8b72b2e4ed566e8bd0d364d9cb00fd4000d0a4734d051 --abi allocation_abi.json --function push_metric --inputs 10
Transaction hash: 0x7daaed2eea701df88439892cf3f012a4d5a9d8ecc26534439acac6a0c1e6d92
starknet invoke --address 0x07e44ee22baaf27cb9d8b72b2e4ed566e8bd0d364d9cb00fd4000d0a4734d051 --abi allocation_abi.json --function push_metric --inputs 11
Transaction hash: 0x5cdfb75e33234b4e3b3168f5b0e567019cae539896b21b59dc7c3216b7c3c05
```



Does it work? So far yes.

Is it beyond EVM limits yet? No, 30M gas allows quite a lot of simple calculations.



What can a StarkNet contract do that an EVM contract can not?

- What would you answer?
- Let us know in Discord: Juuso#0279, Christoph_Sam | Streamr#0545, donato#8723
- Thanks for listening!