Public Kernel Circuit

This circuit is executed by a Sequencer, since only a Sequencer knows the current state of the <u>public data tree</u> at any time. A Sequencer might choose to delegate proof generation to the Prover pool.

- Exposes (forwards) the following data to the next recursive circuit:* all data accumulated by all previous private kernel circuit recursions of this tx;
 - all data accumulated by all previous public kernel circuit recursions of this tx;
 - new public state read requests;
 - new public state transition requests;
- new messages to L1 contracts;
- new messages to private L2 functions;
 - public call stacks: hashes representing calls to other public functions;
 - events
- Verifies a previous 'Private/Public Kernel Proof', recursively, when verifying transactions which are composed of many function calls.
- Ensures the entire stack trace of public functions (for a particular tx) adheres to function execution rules Edit this page

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