* S sends back a reply R' to HOPR.
* HOPR sends (tid, Q', R', mac\_key) to the selected nodes.
* The selected nodes send (tid, R, mac\_key) to HOPR.
* HOPR decrypts R || t = Dec(enc\_key, R') and verifies t.
* HOPR generates the ZKP using the PLONK algorithm:
  + HOPR sets:
    - b= assert(R);
    - x=(Q', R', mac\_key, b);
    - w= (enc\_key, binary answer, Q, R);
  + HOPR defines the following constraints:
    - Dec(enc\_key, R') = R || t;
    - Verify(mac\_key, t, R) = 1;
    - b = assert(R);
    - Q = query(binary answer);
* HOPR sends the ZKP to the on-chain ZK Verification Contract for verification.