南 开 大 学

计 算 机 学 院

区块链基础及应用实验报告

分发 BTC 区块链脚本实现

卢麒萱

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指导教师：苏明

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一、 初始发币

如图1所示。
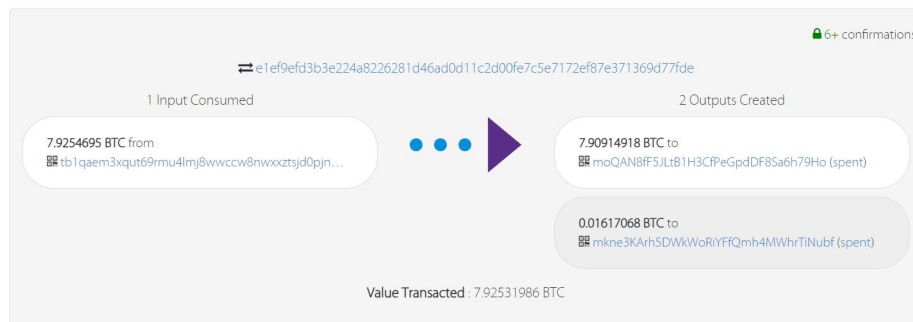

图 1: 初始发币截图

二、 分币

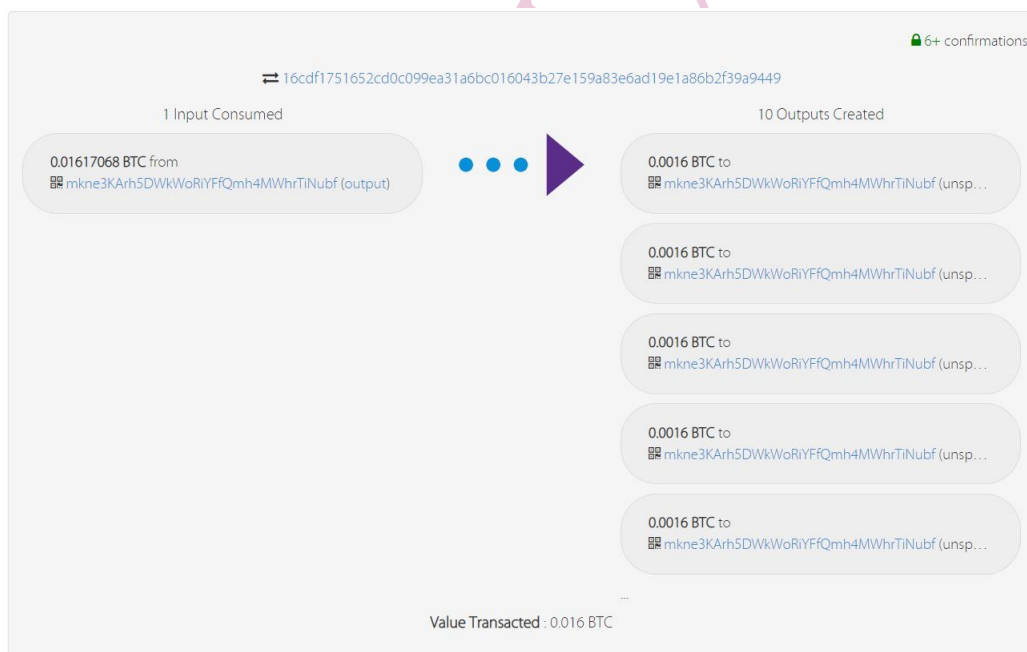如图2所示。

图 2: 分币截图

三、 发币给 faucet
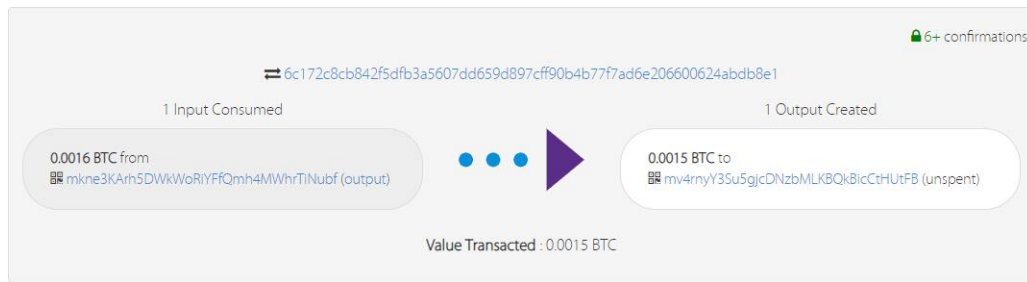
如图3所示。

图 3: 发币给 faucet 截图

交易信息文档:

发币给 faucet 交易文档

```
1   {
2     "tx": {
3       "block_height": −1,
4       "block_index": −1,
5       "hash": "6c172c8cb842f5dfb3a5607dd659d897cff90b4b77
6       f7ad6e206600624abdb8e1",
7       "addresses": [
8         "mkne3KArh5DWkWoRiYFfQmh4MWhrTiNubf",
9         "mv4rnyY3Su5gjcDNzbMLKBQkBicCtHUtFB"
10      ],
11      "total": 150000,
12      "fees": 10000,
13      "size": 192,
14      "vsize": 192,
15      "preference": "low",
16      "relayed_by": "2a03:cfc0:8004::b:d2",
17      "received": "2022−10−05T11:24:33.261032835Z",
18      "ver": 1,
19      "double_spend": false,
20      "vin_sz": 1,
21      "vout_sz": 1,
22      "confirmations": 0,
23      "inputs": [
24        {
25          "prev_hash": "16cdf1751652cd0c099ea31a6bc016043b27e1
26          59a83e6ad19e1a86b2f39a9449",
27          "output_index": 7,
28          "script": "483045022100e4e9fa4faf8ecfc21da18282bc
29          62c5f355a04b81f89bc6af98578f9231f886060
30          2207bb3158cdff760316fc508110de2d8db94f0
31          2dcd6e69a4c4882c05fb895aa9290121032dd57
32          71a470b7a3f4428d7c096f63cc41974221aca80
33          1c97add36f8ecd51df4a",
34          "output_value": 160000,
35          "sequence": 4294967295,
```

```
36          "addresses": [
37            "mkne3KArh5DWkWoRiYFfQmh4MWhrTiNubf"
38          ],
39          "script_type": "pay-to-pubkey-hash",
40          "age": 2349446
41        }
42      ],
43      "outputs": [
44        {
45          "value": 150000,
46          "script": "76a9149f9a7abd600c0caa03983a77c8c3df8e
47          062cb2fa88ac",
48          "addresses": [
49            "mv4rnyY3Su5gjcDNzbMLKBQkBicCtHUtFB"
50          ],
51          "script_type": "pay-to-pubkey-hash"
52        }
53      ]
54    }
55  }
```