

Report

这个项目完成的是自己编写脚本，向相关网站发送tx来获得关于txdata的解析。

具体的代码十分简单，但我们首先要获得一个tx：

- 从Bitcoin Testnet Faucet 中执行一个关于测试币的交易，如下所示

0.00010011 coins sent to 2MwU43CXuVsNFdx2gngv3K9w73etsx2NjV4

- 然后就能看到这个交易的具体信息，也就是拿到了tx值，

736cd2c1b5cc3c25e51124048874f975af5ead09d7ee3ddae56ea01fae73d4b	Sat, 30 Jul 2022 09:50:48
2MwU43CXuVsNFdx2gngv3K9w73etsx2NjV4	-0.00010011
pending	0.00000143 fee

- 随后就可以编写脚本，在这里选择用blockcypher的api接口，把结果输出在result文件中,完成！

```
C:\Users\86180>set PYTHONIOENCODING=utf8 & C:\Users\86180\AppData\Local\Programs\Python\Python39\python.exe -u "c:\Users\86180\Desktop\bitcoin parse tx\test.py"
{
  "block_hash": "0000000000000a42abc440eddb221131890543dead78e84011f37f74cff83e",
  "block_height": 2313078,
  "block_index": 10,
  "hash": "736cd2c1b5cc3c25e51124048874f975af5ead09d7ee3ddae56ea01fae73d4b",
  "addresses": [
    "2MwU43CXuVsNFdx2gngv3K9w73etsx2NjV4",
    "tb1qdk94scasr9e162neu2vs05gjz9ge84jxvfy4zf",
    "tb1qzamayxnevvg2vfvvggtr2mnefygs7g19mpk88z"
  ],
  "total": 591264589,
  "fees": 143,
  "size": 223,
  "vsize": 142,
  "preference": "low",
  "relayed_by": "128.199.15.99:18333",
  "confirmed": "2022-07-30T09:51:07Z",
  "received": "2022-07-30T09:50:53.663Z",
  "ver": 2,
  "lock_time": 2313077,
  "double_spend": false,
  "vin_sz": 1,
  "vout_sz": 2,
  "confirmations": 12,
  "confidence": 1,
  "inputs": [
    {
      "prev_hash": "6157cca2cd9902b741b8c0bd1d8b0a2a3c6c62db34cadd15554b68192e2b0cca",
      "output_index": 1,
      "output_value": 591264732,
      "sequence": 4294967294,
      "addresses": [
        "tb1qdk94scasr9e162neu2vs05gjz9ge84jxvfy4zf"
      ],
      "script_type": "pay-to-witness-pubkey-hash",
      "age": 2313075,
      "witness": [
        "3044022046cac3320e2fc10e995bafc510b106a5d489e6b2e78cc17717c2a9781f060eaf02203bd43c30b0e28fe1e217c0bbebd7018a821ee6c602ad5c22761ff0163d12351d401",
        "024c13e7383f2ddb14d46d95546f6c8446167ea67383c1c8600f2c740b39fe58cf"
      ]
    }
  ],
  "outputs": [
    {
      "value": 591254578,
      "script": "00141777d21a796350a725c842d6356e7949110f23e5",
      "spent_by": "847d4be4cbe7ba0a5278ba235b5f62cdeb0e05ee27bc44e84a6211eb255089e5",
      "addresses": [
        "tb1qzamayxnevvg2vfvvggtr2mnefygs7g19mpk88z"
      ],
      "script_type": "pay-to-witness-pubkey-hash"
    },
    {
      "value": 10011,
```