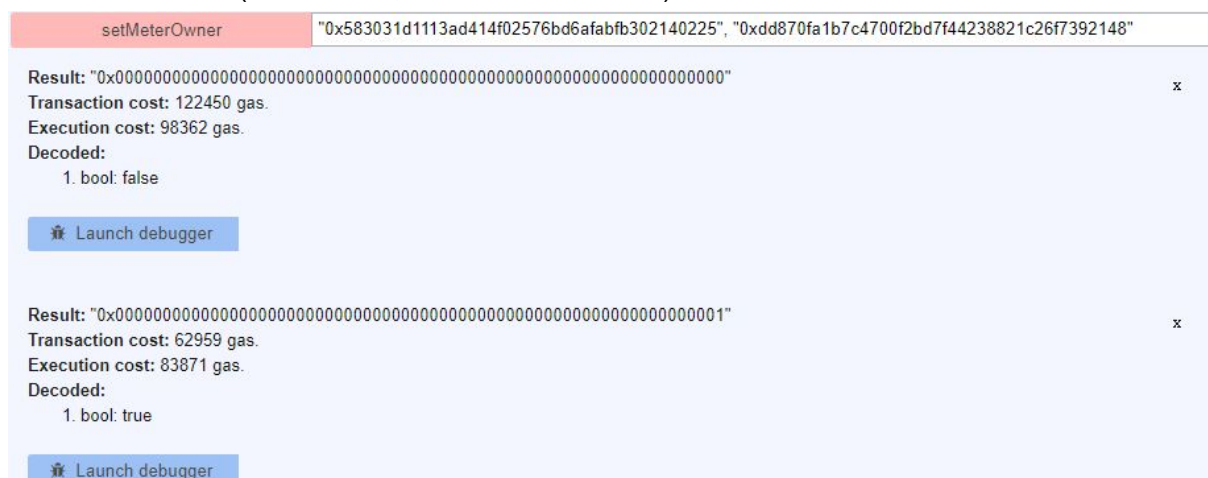


测试时间：2017-6-27
测试环境：remix.ethereum.org
1. 部署合约



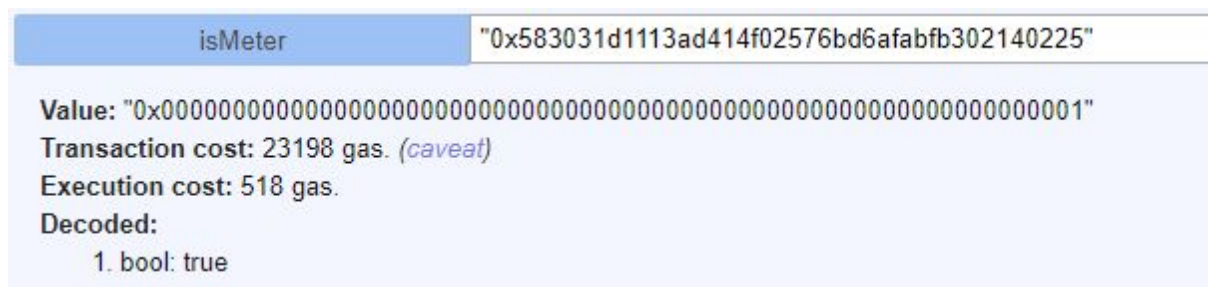
2. setMeterOwner(要求多签名,次测试要求2个签名)



Events

Confirmation [
"0xca35b7d915458ef540ade6068dfe2f44e8fa733c",
"0x9c792257b376092509f75a7e6564f0a22897f7f5f422f8e98b8a4822bc6527a2"
]

Confirmation [
"0x14723a09acff6d2a60dcdf7aa4aff308fddc160c",
"0x9c792257b376092509f75a7e6564f0a22897f7f5f422f8e98b8a4822bc6527a2"
]



3. setInitialMeter

```
Events
SetInitialMeter [
  "100",
  "100",
  "100"
]
```

[illegible]

4. presale (要求多签名)

prestate 300, 1, "0x583031d1113ad414f02576bd6afabfb302140225", 0, 0, "0xdd870fa1b7c4700f2bd7f44238821c26f7392148"

Result: "0x00" x

Transaction cost: 123331 gas.

Execution cost: 98539 gas.

Decoded:

1. bool: false

 Launch debugger

Result: "0x0001" x

Transaction cost: 35242 gas.

Execution cost: 45691 gas.

Decoded:

1. bool: true

Events

```
Confirmation [
  "0xca35b7d915458ef540ade6068dfe2f44e8fa733c",
  "0x576abb7c4a3685f0dff7c2d20735bce3c3d5320cdf837b3e872d9ea93d267036"
]
```

```
Confirmation [
  "0x14723a09acff6d2a60dcdf7aa4aff308fddc160c",
  "0x576abb7c4a3685f0dff7c2d20735bce3c3d5320cdf837b3e872d9ea93d267036"
]
```

```
Presale [
  "310",
  "2",
  "0x583031d1113ad414f02576bd6afabfb302140225"
]
```

powers	"0x583031d1113ad414f02576bd6afabfb302140225",0
--------	--

```
6. uint256 pre_flat_value: 0
```

presale	320, 3, "0x583031d1113ad414f02576bd6afabfb302140225", 0, 0, "0xdd870fa1b7c4700f2bd7f44238821c26f7392148"
---------	--

 Launch debugger

Events

powers	"0x583031d1113ad414f02576bd6afabfb302140225",0
--------	--

Transaction cost: 23879 gas. (*caveat*)

Execution cost: 1071 ops.

Decoded:

```
1 uint256 peak: 300
```

1. uint256 peak: 500
2. uint256 pre_peak_value: 0
3. uint256 valley: 310
4. uint256 pre_valley_value: 0
5. uint256 flat: 320
6. uint256 pre_flat_value: 0

[illegible]

Transaction cost: 123395 gas.

Decoded:

```
1. bool: false
```

Launch debugger

xx Lauch Debugger

Transaction cost: 35303 gas.

Decoded:

```
1. bool: true
```

Events

Confirmation [

```
"0xca35b7d915458ef540ade6068dfe2f44e8fa733c",
```

"0x15a3c869984a82663b714b31f7191e09a26c8d49e313f7cf0697cf8520dc7d65"

Confirmation [

```
"0x14723a09acff6d2a60dcdf7aa4aff308fddc160c",
```

"0x15a3c869984a82663b714b31f7191e09a26c8d49e313f7cf0697cf8520dc7d65"

Presale [

"320",

```
"0x583031d1113ad414f02576bd6afabfb302140225"
```

powers

```
"0x583031d1113ad414f02576bd6afabfb302140225",1
```

[illegible]

Transaction cost: 23943 gas. (*caveat*)

Execution cost: 1071 gas.

Decoded:

1. uint256 peak: 0
2. uint256 pre_peak_value: 0
3. uint256 valley: 0
4. uint256 pre_valley_value: 0
5. uint256 flat: 320
6. uint256 pre_flat_value: 0

presale

```
320, 3, "0x583031d1113ad414f02576bd6afabfb302140225", 0, 1, "0xdd870fa1b7c4700f2bd7f44238821c26f7392148
```

[illegible]

Transaction cost: 123395 gas.

Execution cost: 98539 gas.

Decoded:

- ```
1. bool: false
```

 Launch debugger

Exception during execution. (invalid opcode). Please debug the transaction for more information.

### 5. withdrawToken(多签名 )

withdrawToken

250,2, "0x583031d1113ad414f02576bd6afabfb302140225",0,0,"0xdd870fa1b7c4700f2b"

Result: "0x0000000000000000000000000000000000000000000000000000000000000000" x

Transaction cost: 123289 gas.

Execution cost: 98561 gas.

Decoded:

1. bool: false

Launch debugger

Result: "0x0000000000000000000000000000000000000000000000000000000000000001" x

Transaction cost: 35119 gas.

Execution cost: 45509 gas.

Decoded:

1. bool: true

Confirmation [  
"0xca35b7d915458ef540ade6068dfe2f44e8fa733c",  
"0xe5a3797cae73a099b264bda8753a80149246aa9d0359503e0482cbb90d4c1a88"  
]

Confirmation [  
"0x14723a09acff6d2a60dcdf7aa4aff308fddc160c",  
"0xe5a3797cae73a099b264bda8753a80149246aa9d0359503e0482cbb90d4c1a88"  
]

WithdrawToken [  
"250",  
"0x583031d1113ad414f02576bd6afabfb302140225"  
]

withdrawToken

300,3, "0x583031d1113ad414f02576bd6afabfb302140225",0,0,"0xdd870fa1b7c4700f2b"

Result: "0x0000000000000000000000000000000000000000000000000000000000000000" x

Transaction cost: 123353 gas.

Execution cost: 98561 gas.

Decoded:

1. bool: false

Launch debugger

Result: "0x0000000000000000000000000000000000000000000000000000000000000001" x

Transaction cost: 35158 gas.

Execution cost: 45524 gas.

Decoded:

1. bool: true

```
Confirmation [
 "0x14723a09acff6d2a60dcdf7aa4aff308fddc160c",
 "0x8a8aa1802d39bd05e28c90049e4d07636e23ac30506f8406b8252543af513717"
]
```

```
powers "0x583031d1113ad414f02576bd6afabfb302140225",0
```

Value: "0x0000000000000000000000000000000000000000000000000000000000000000"

Transaction cost: 23879 gas. (*caveat*)

Execution cost: 1071 gas.

Decoded:

1. uint256 peak: 0
2. uint256 pre\_peak\_value: 0
3. uint256 valley: 310
4. uint256 pre\_valley\_value: 250
5. uint256 flat: 320
6. uint256 pre\_flat\_value: 300

|             |                                                        |
|-------------|--------------------------------------------------------|
| submitPower | 420,1,0,0,"0xdd870fa1b7c4700f2bd7f44238821c26f7392148" |
|-------------|--------------------------------------------------------|

 Launch debugger

```
SubmitPower [
 "420",
 "1"
]
```



initialMeter

"0x583031d1113ad414f02576bd6afabfb302140225"

Value: "0x0000000000000000000000000000000000000000000000000000000000000000"

Transaction cost: 23481 gas. (*caveat*)

Execution cost: 801 gas.

Decoded:

1. uint256 peak: 400
2. uint256 pre\_peak\_value: 0
3. uint256 valley: 100
4. uint256 pre\_valley\_value: 0
5. uint256 flat: 100
6. uint256 pre\_flat\_value: 0

powers

"0x583031d1113ad414f02576bd6afabfb302140225",0

Value: "0x0000000000000000000000000000000000000000000000000000000000000000"

Transaction cost: 23879 gas. (*caveat*)

Execution cost: 1071 gas.

Decoded:

1. uint256 peak: 0
2. uint256 pre\_peak\_value: 0
3. uint256 valley: 310
4. uint256 pre\_valley\_value: 0
5. uint256 flat: 320
6. uint256 pre\_flat\_value: 0

submitPower

420,3,0,0,"0xdd870fa1b7c4700f2bd7f44238821c26f7392148"


Result: "0x0000000000000000000000000000000000000000000000000000000000000001"

Transaction cost: 32299 gas.

Execution cost: 38915 gas.

Decoded:

1. bool: true

 Launch debugger

## Events

```
SubmitPower [
 "420",
 "3"
]
```



