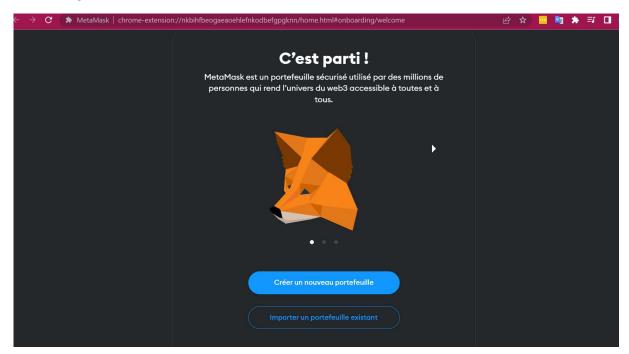
Esme sudria

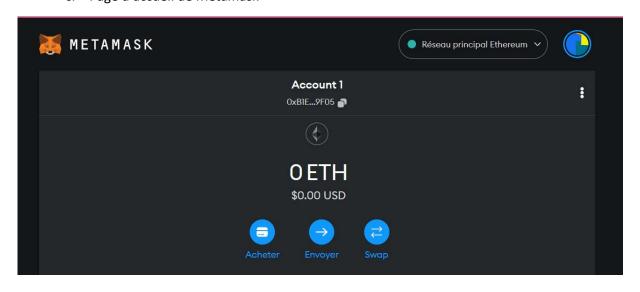
# TP- Smart contract

Développer, Deloyer et Interagir avec un contrat intelligent sur Ethereum

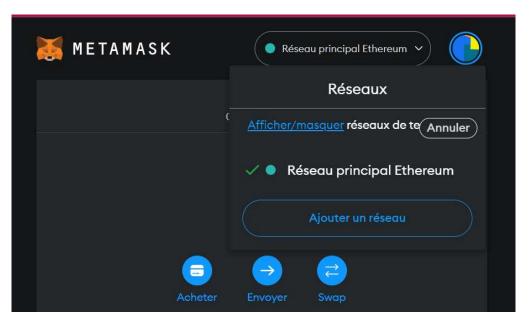
a. Page de connexion Metamask

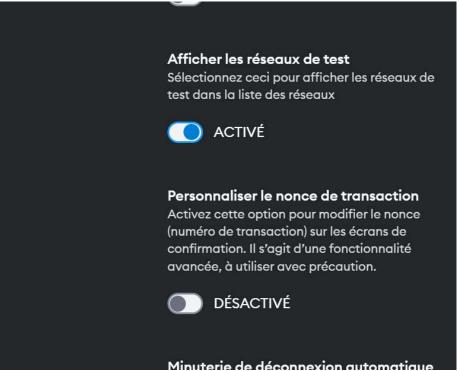


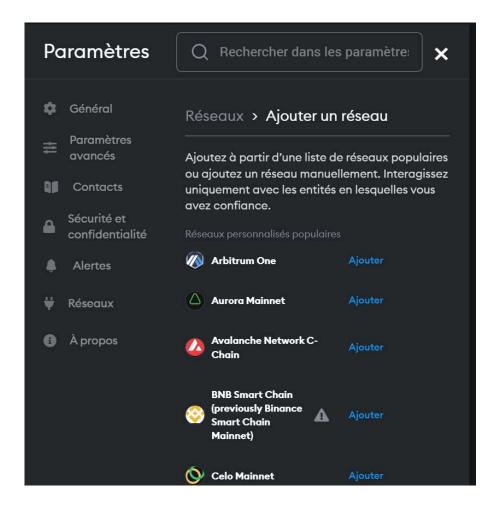
c. Page d'accueil de Metamask

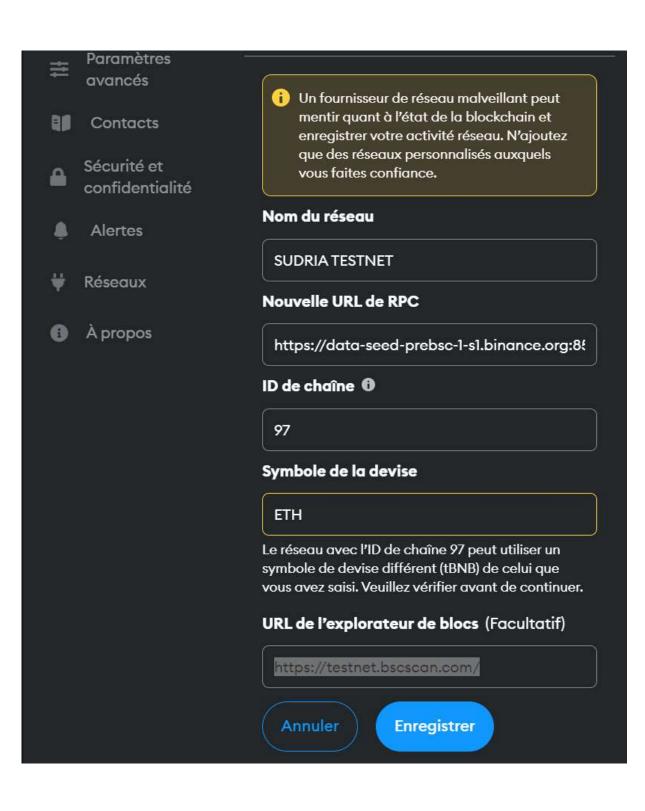


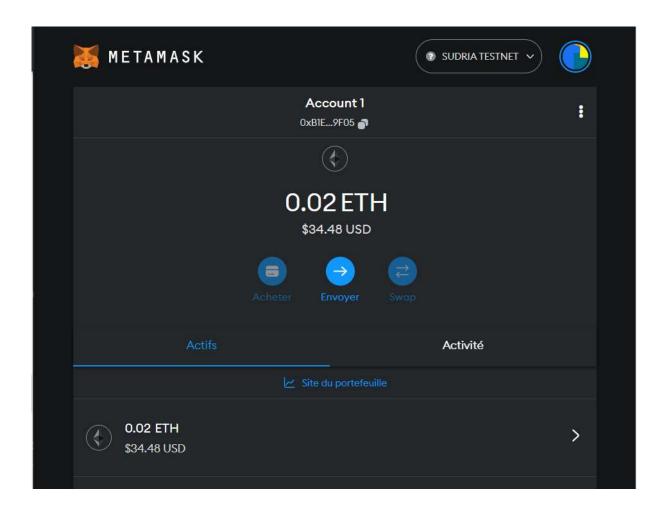
d. Afficher et masquer





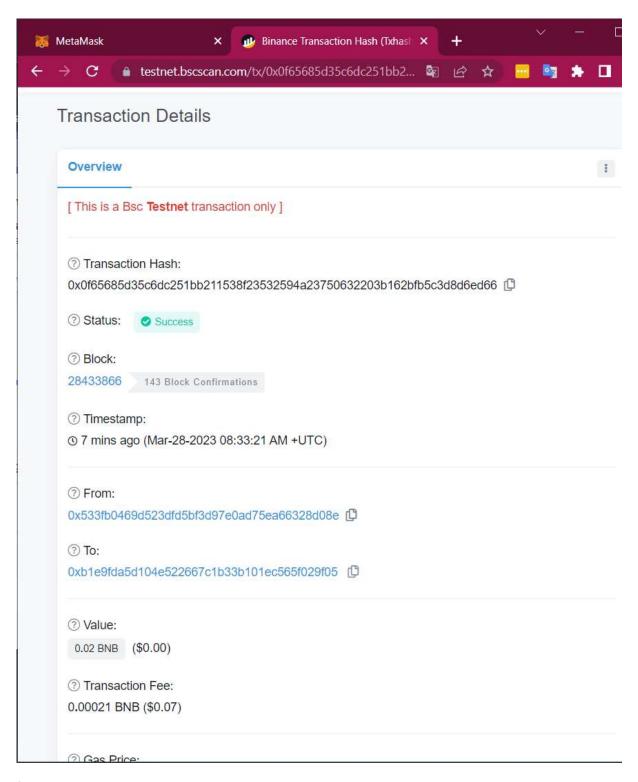


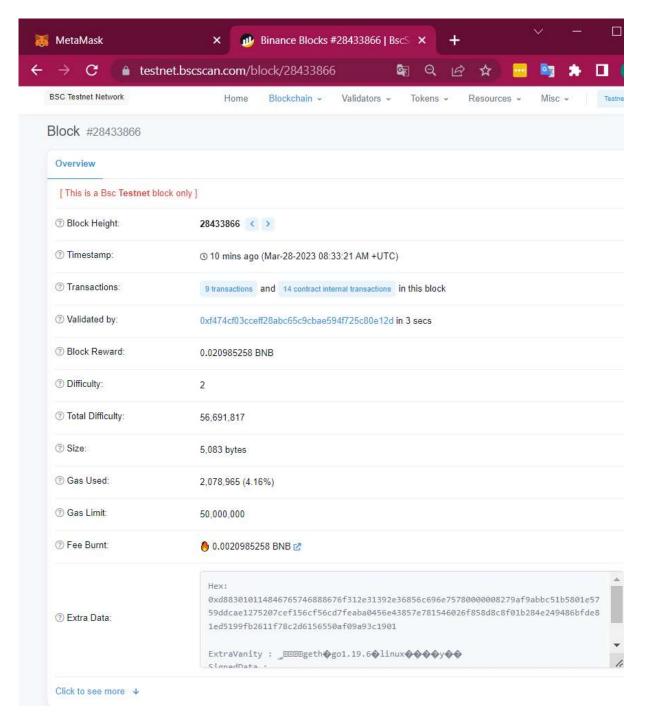




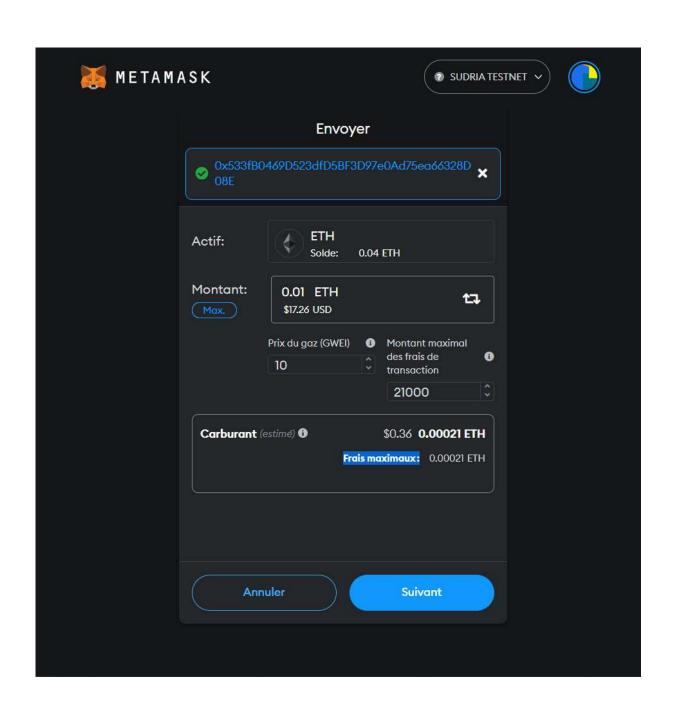
## f. Détail de la transaction :

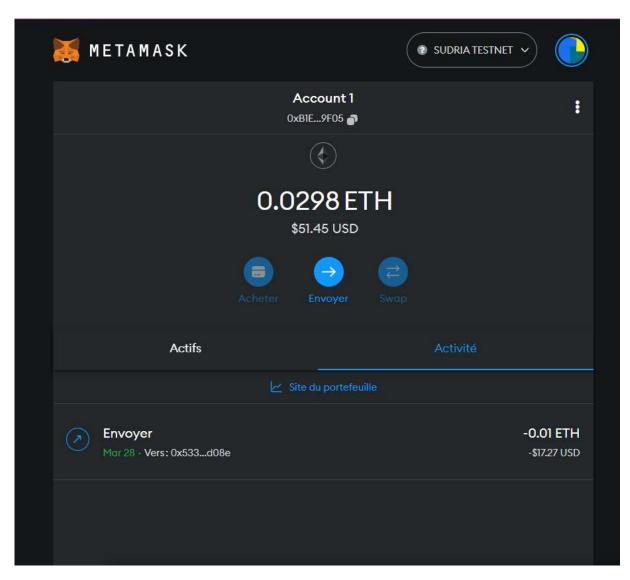
 $\frac{https://testnet.bscscan.com/tx/0x0f65685d35c6dc251bb211538f23532594a23750632203b162bfb5c}{3d8d6ed66}$ 



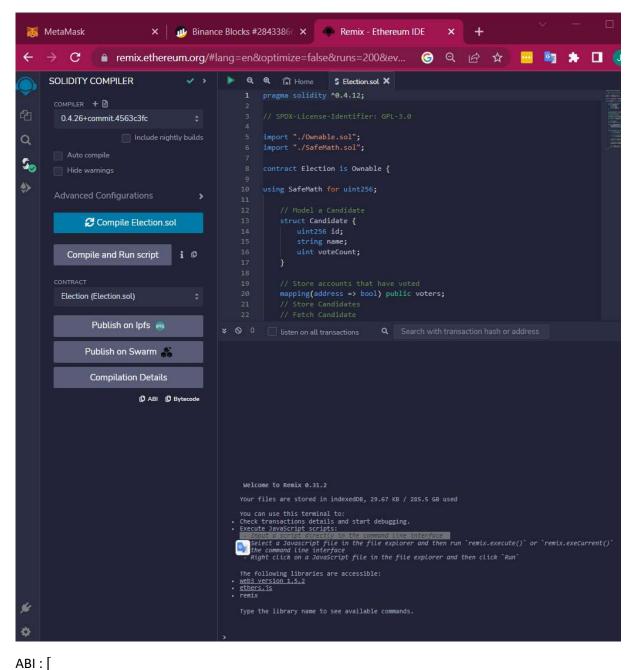


h.





I.



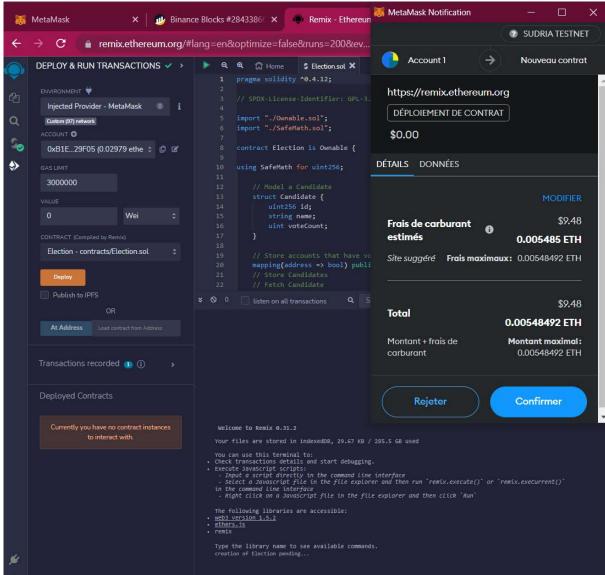
```
{
       "constant": true,
       "inputs": [],
       "name": "candidatesCount",
       "outputs": [
                      "name": "",
                      "type": "uint256"
       "payable": false,
       "stateMutability": "view",
       "type": "function"
},
       "constant": true,
       "inputs": [
                      "name": "",
                      "type": "uint256"
       "name": "candidates",
       "outputs": [
                      "name": "id",
                      "type": "uint256"
               },
                      "name": "name",
                      "type": "string"
               },
                      "name": "voteCount",
                      "type": "uint256"
       "payable": false,
       "stateMutability": "view",
       "type": "function"
},
       "constant": false,
       "inputs": [
                      "name": "_name",
                      "type": "string"
       "name": "addCandidate",
```

```
"outputs": [],
       "payable": false,
        "stateMutability": "nonpayable",
       "type": "function"
},
{
        "constant": true,
        "inputs": [],
       "name": "owner",
        "outputs": [
                       "name": "",
                       "type": "address"
       ],
"payable": false,
       "stateMutability": "view",
        "type": "function"
},
{
        "constant": true,
        "inputs": [
               {
                       "name": "",
                       "type": "address"
        "name": "voters",
        "outputs": [
                       "name": "",
                       "type": "bool"
               }
        "payable": false,
        "stateMutability": "view",
       "type": "function"
},
        "constant": false,
        "inputs": [
                       "name": "newOwner",
                       "type": "address"
       ],
"name": "transferOwnership",
" " "
       "outputs": [],
        "payable": false,
        "stateMutability": "nonpayable",
```

```
"type": "function"
       },
               "anonymous": false,
               "inputs": [
                              "indexed": true,
                              "name": "_candidateId",
                              "type": "uint256"
               "name": "votedEvent",
               "type": "event"
       },
               "anonymous": false,
               "inputs": [
                              "indexed": true,
                              "name": "previousOwner",
                              "type": "address"
                      },
                              "indexed": true,
                              "name": "newOwner",
                              "type": "address"
               "name": "OwnershipTransferred",
               "type": "event"
       }
]
```

# Byte code:

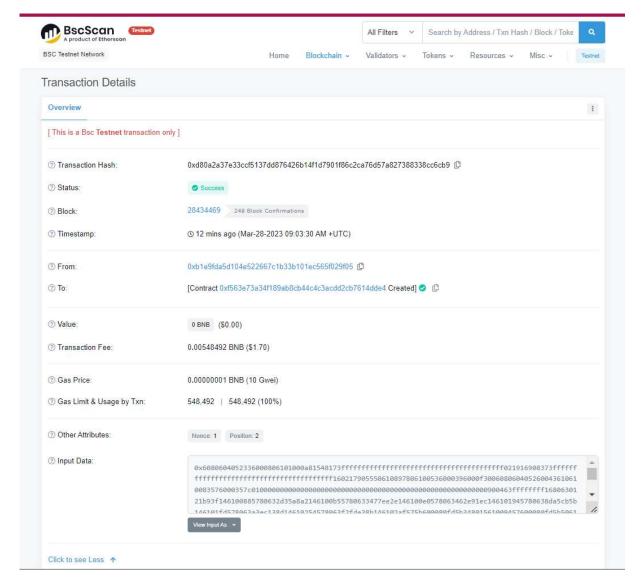
9092919050505061057f565b604051808215151515815260200191505060405180910390f35b348015 4b57600080fd5b60008111801561035d57506003548111155b151561036857600080fd5b600180600 d05c1ef587b462b939609625b684b1660405160405180910390a250565b60035481565b6002602052 806000526040600020600091509050806000015490806001018054600181600116156101000203166 $002900480601 \\ fo 1602080910402602001604051908101604052809291908181526020018280546001$ 81600116156101000203166002900480156104cd5780601f106104a25761010080835404028352916 02001916104cd565b820191906000526020600020905b8154815290600101906020018083116104b0 57829003601f168201915b505050505050908060020154905083565b600360008154809291906001019 190505550606060405190810160405280600354815260200182815260200160008152506002600060 035481526020019081526020016000206000820151816000015560208201518160010190805190602001906105499291906107c6565b5060408201518160020155905050565b6000809054906101000 a total stress of the contraction of the contr25260188152602001807f4e6f7420617574686f72697a6564206f7065726174696f6e0000000000000 000000000000000000000000081526004018080602001828103825260198152602001807f416464726573732073686f756c646e2774206265207a65726f000000000000081525060200191505060405180  $6156101000203166002900490600052602060002090601\\ f016020900481019282601\\ f1061080757805$ 160ff1916838001178555610835565b82800160010185558215610835579182015b828111156108345 78251825591602001919060010190610819565b5b5090506108429190610846565b5090565b610868 91905b8082111561086457600081600090555060010161084c565b5090565b905600a165627a7a723 05820c2b1daaf1ae81292340b32ac261cca45ecfd2e95a4ad3032438fcba078984ae80029



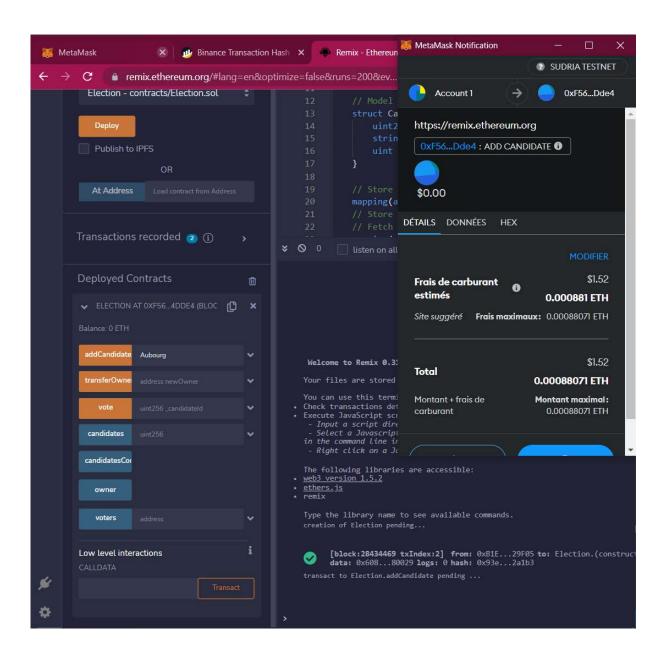
m. https://testnet.bscscan.com/address/0xf563e73a34f189ab8cb44c4c3acdd2cb7614dde4

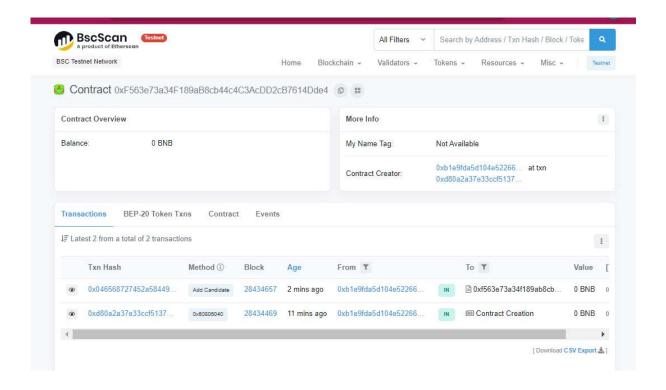
Les « Transaction fees » ne sont pas les mêmes entre les deux transactions. Ces frais permettent de publier le smart contract.

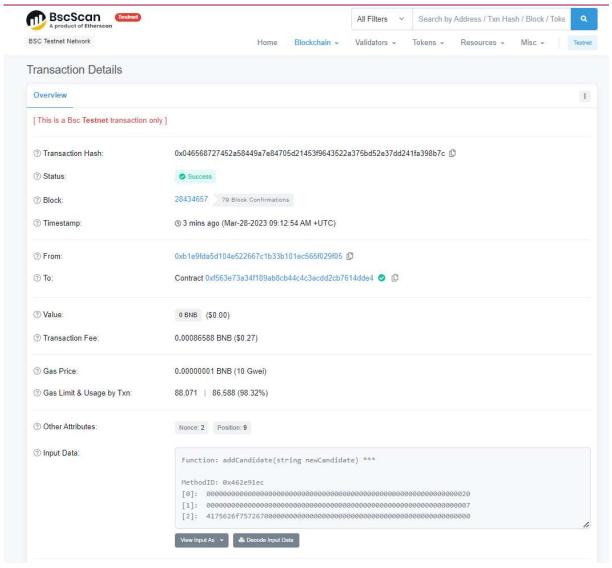
L'adresse publique de mon smart contract est la suivante : 0xF563e73a34F189aB8cb44c4C3AcDD2cB7614Dde4



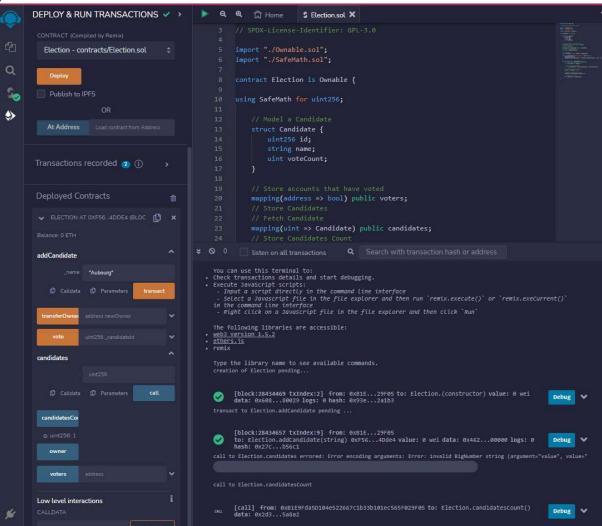
n.





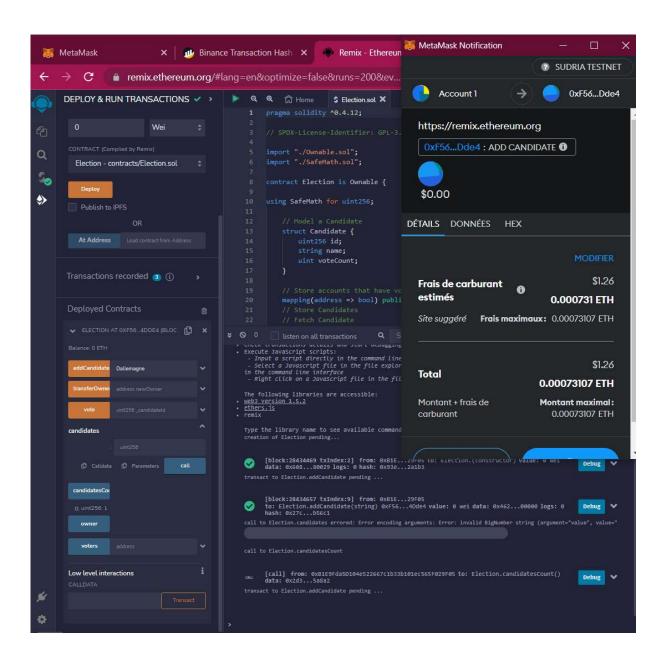


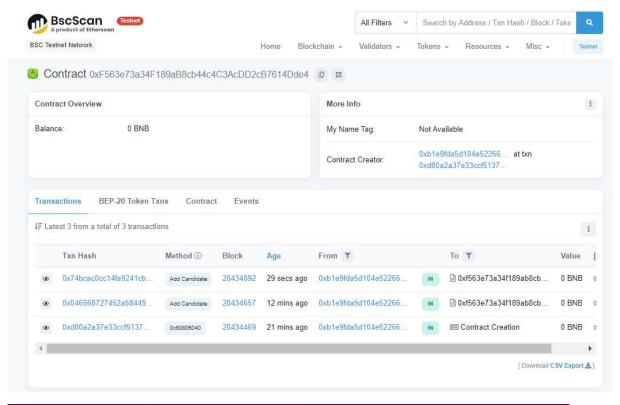
p.

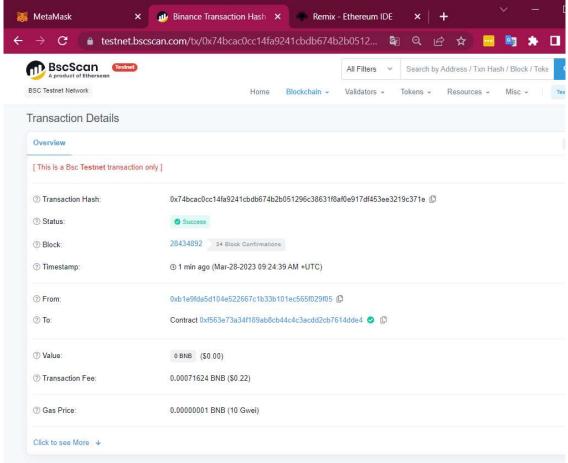


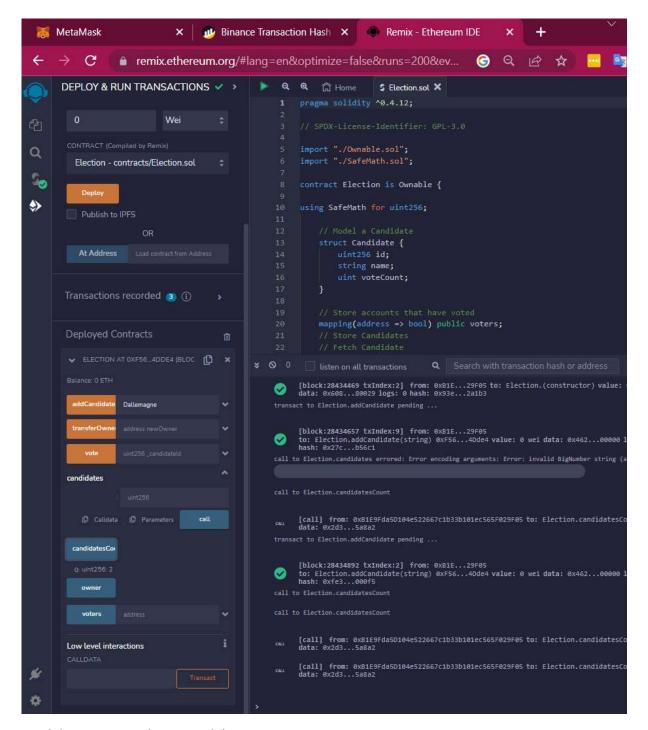
#### CandidateID = 1

q.

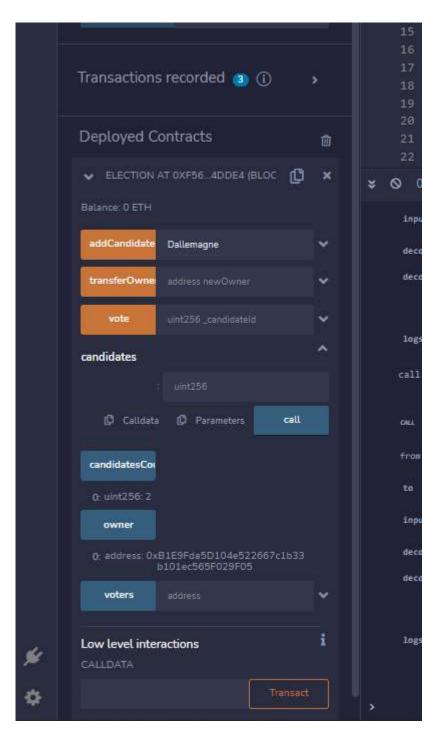




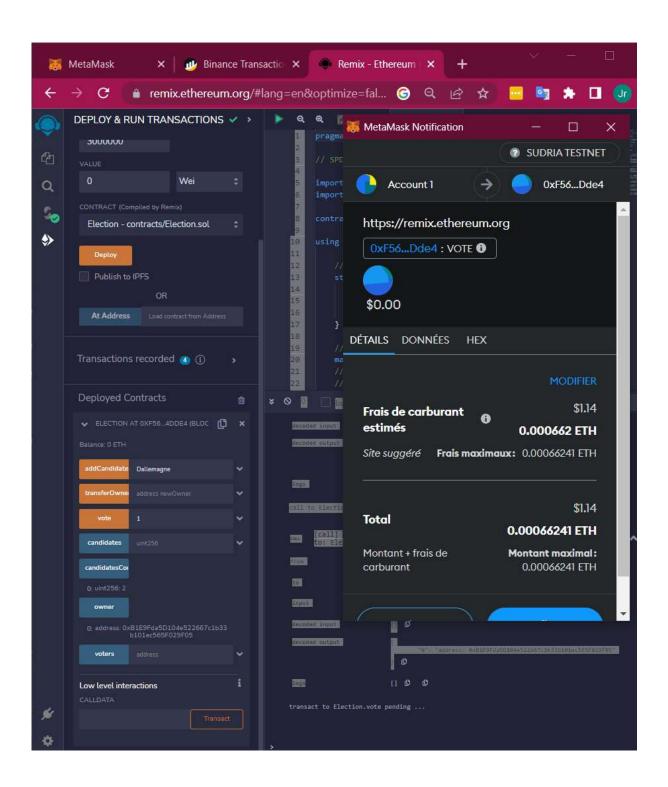


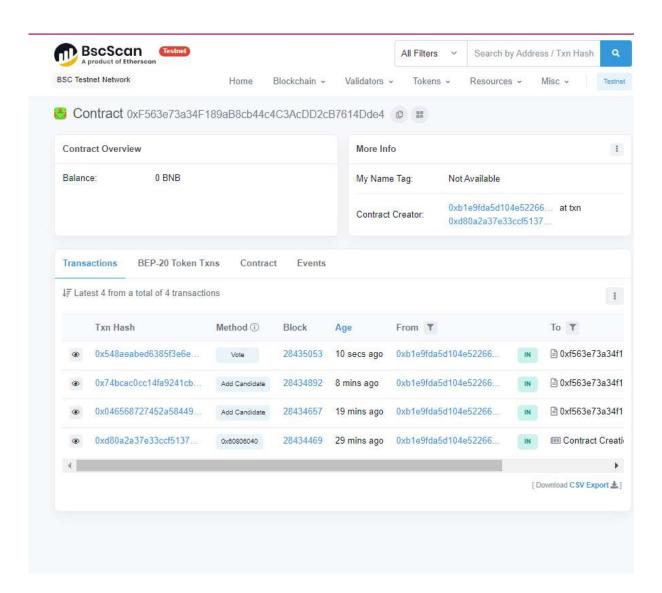


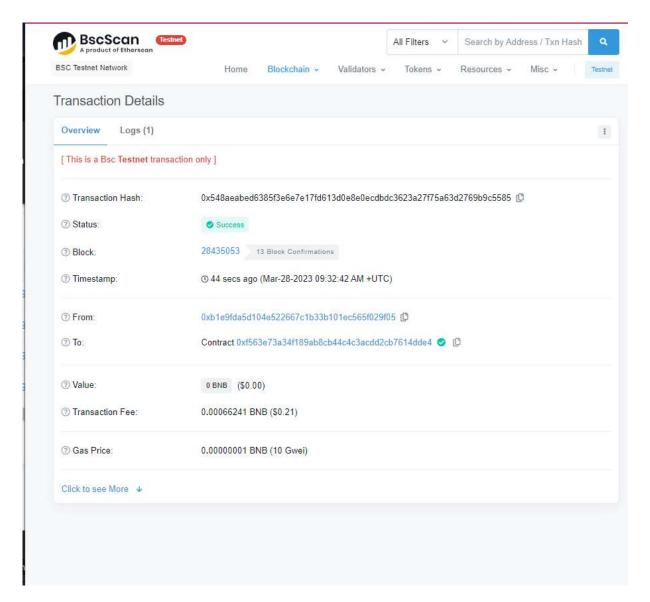
Candidate ID = 2 car il y a 2 candidates



t.



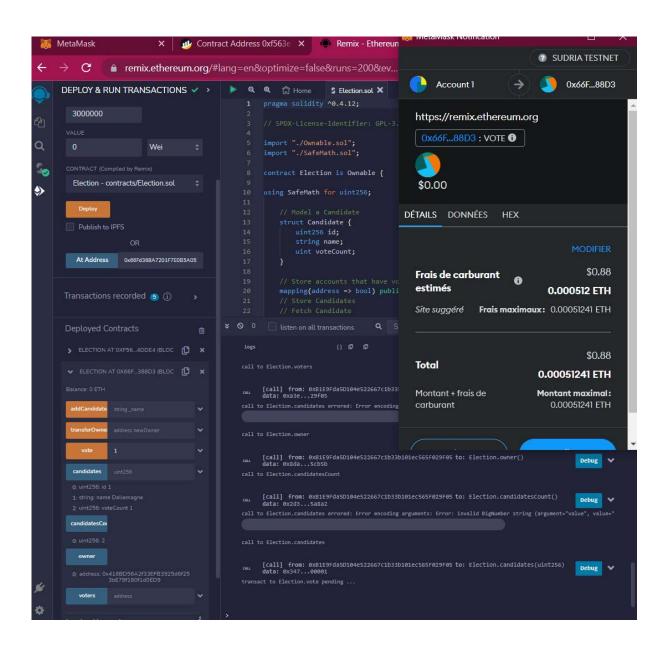


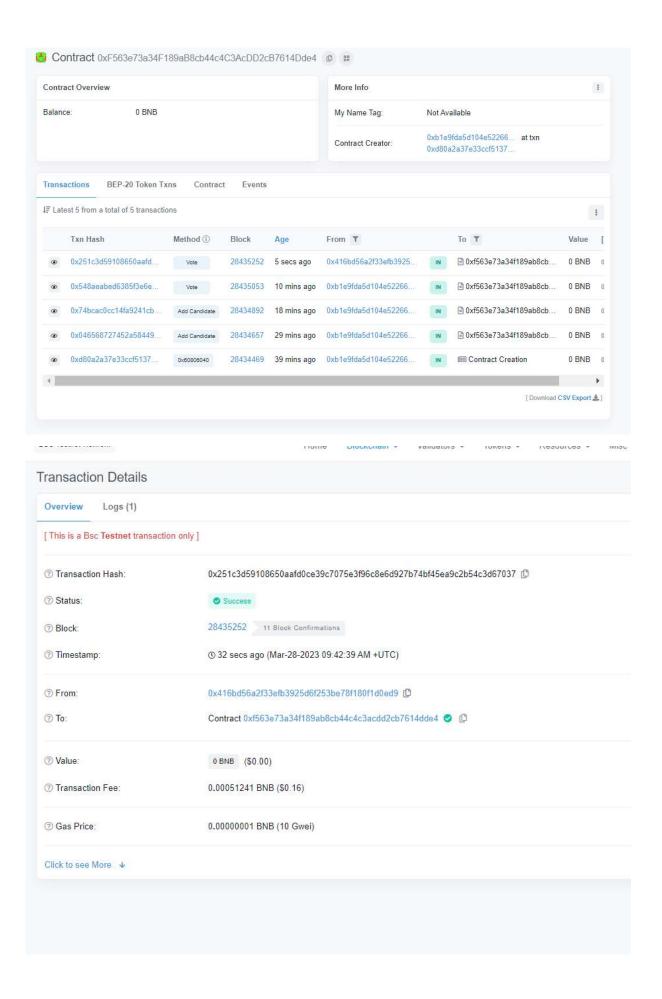




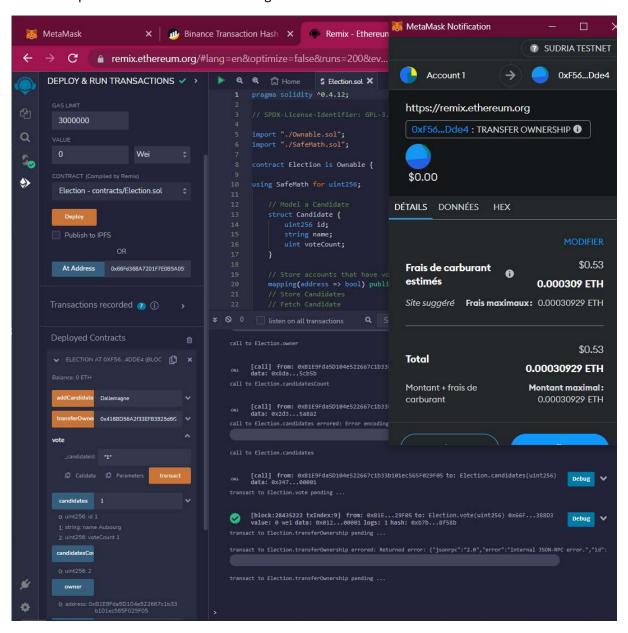
On voit que voteCount = 1

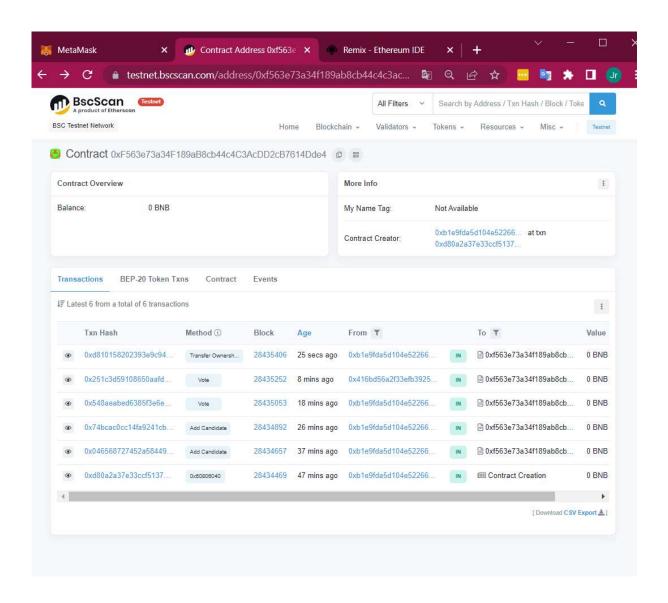
v. Adresse contrat Cassandra Dallemagne: 0x66Fd368A7201F7E0B5A052Ebcf255314D6D388D3

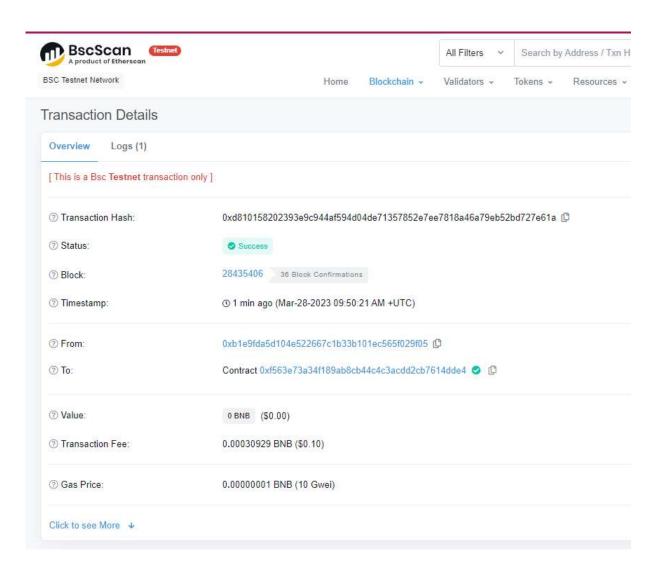




### w. adresse portefeuille Cassandra Dallemagne: 0x416BD56A2f33EFB3925d6f253bE78f180f1d0ED9









L'adresse de l'owner est bien celle de Cassandra Dallemagne.

x. La fonction addCandidate est une fonction publique donc toute personne peut ajouter un candidat. Après recherche sur internet, il existe un module « onlyOwner » qui me permet d'être la seule personne capable d'ajouter un nouveau candidat.

