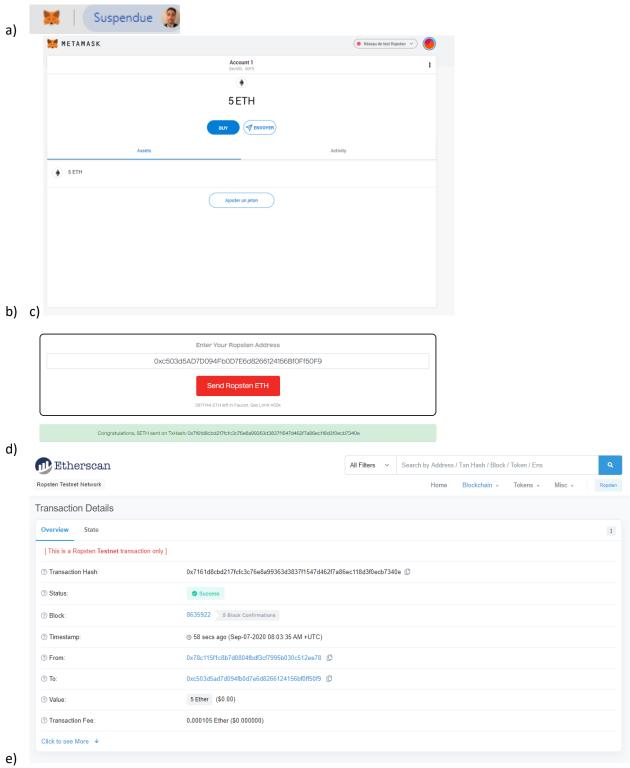
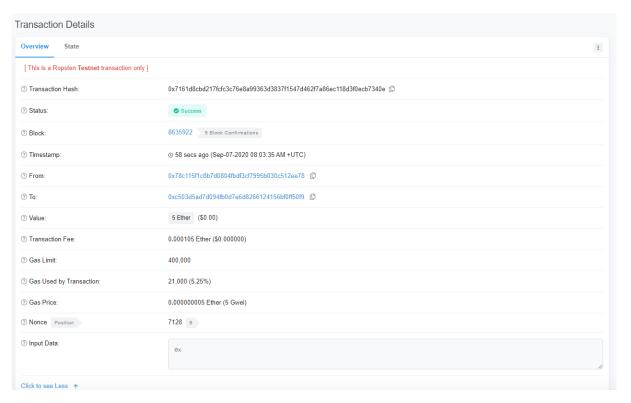
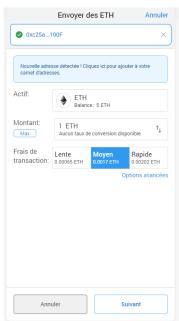
## TP Blockchain Election Alves Antony A2IR

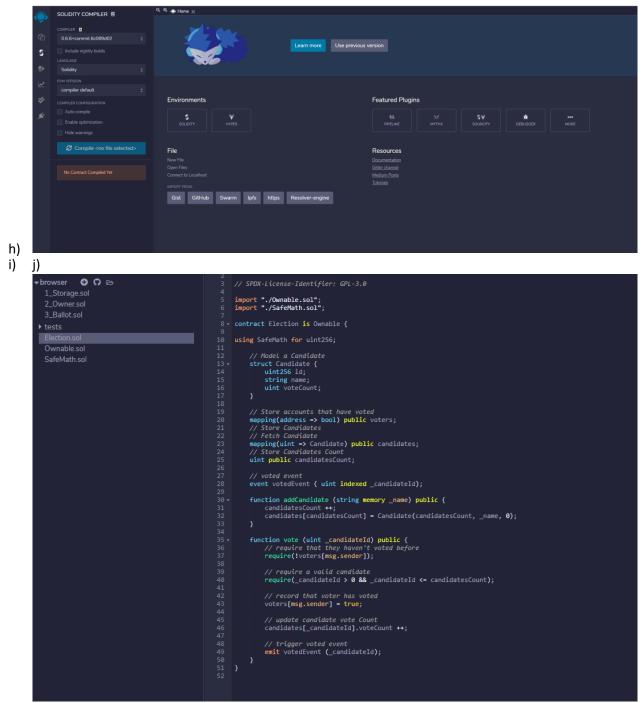


f) Numéro de block 8635922

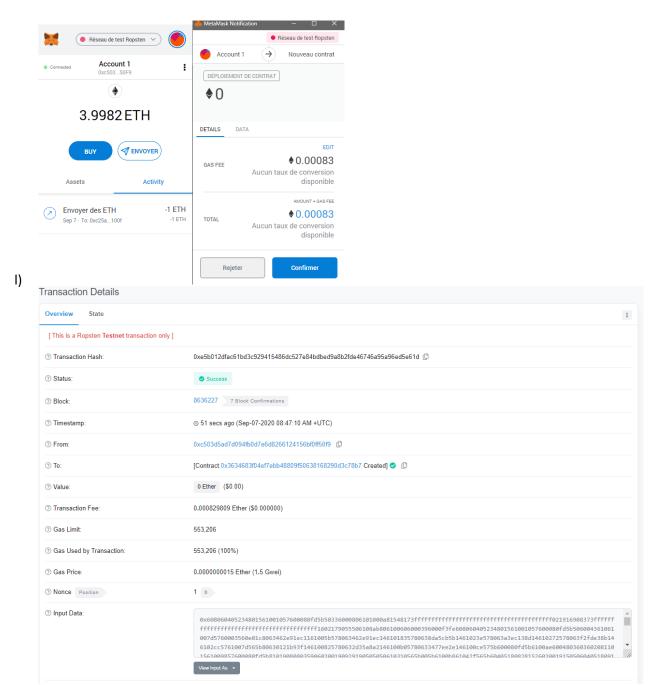


g)

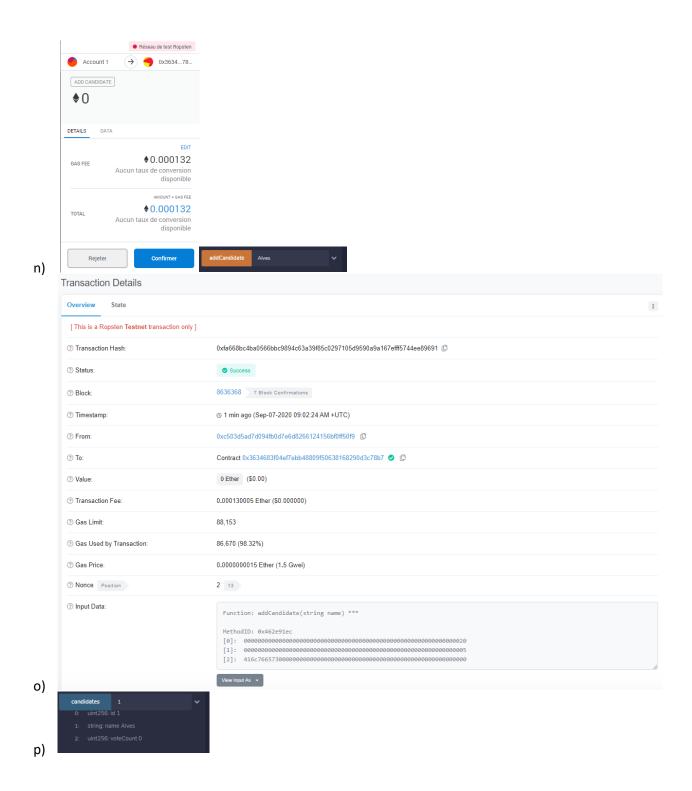


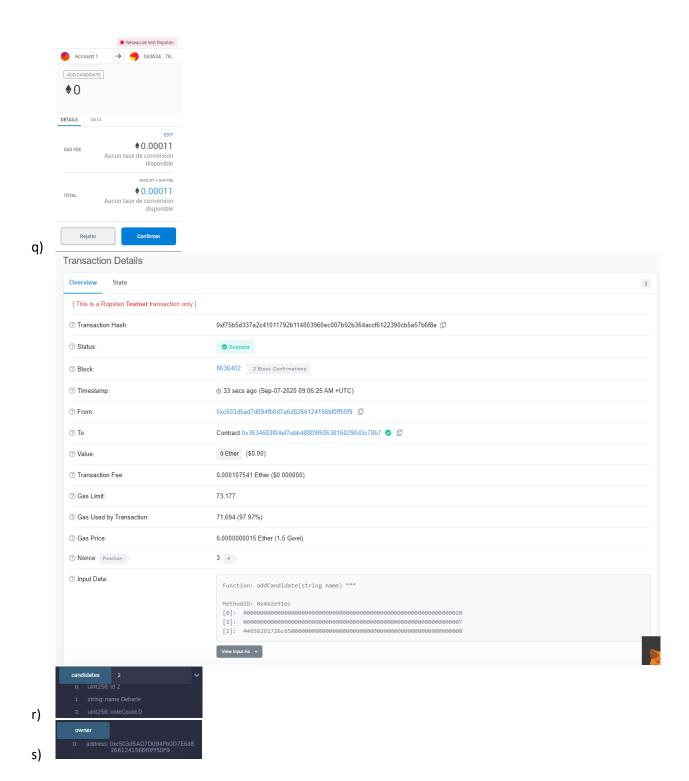


k) Fichiers ABI.json & Byte\_code.txt dans le dossier



m) Les frais de transactions sont différents de la transaction précédente (x8 supérieur). Les frais de gaz font varier le prix des frais de transaction, le prix dépend du flux de transaction. L'adresse publique du smart contrat est 0x3634683f04ef7ebb48809f50638168290d3c78b7

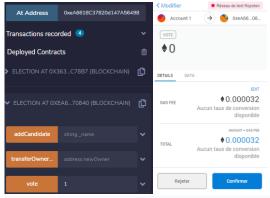




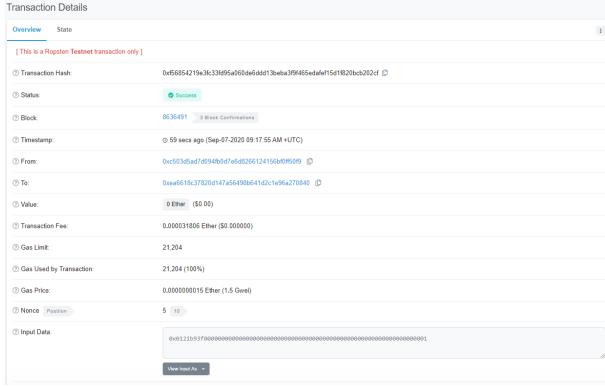
7

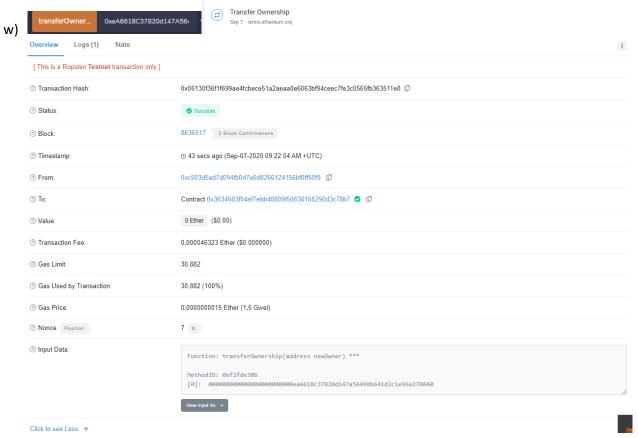
t) Transaction Details Overview Logs (1) State [ This is a Ropsten Testnet transaction only ] 0xef43a6d3e1ccd085c947d7165bf58404c75569d2f1f8ed3360ab0084171f52af ? Transaction Hash: ? Status: Success ③ Block: 8636432 5 Block Confirmations © 38 secs ago (Sep-07-2020 09:09:31 AM +UTC) ? Timestamp: ③ From: 0xc503d5ad7d094fb0d7e6d8266124156bf0ff50f9 ⑦ To: ? Value: 0 Ether (\$0.00) ⑦ Transaction Fee: 0.0000994005 Ether (\$0.000000) ⑦ Gas Limit: ③ Gas Used by Transaction: 66,267 (100%) (?) Gas Price: 0.0000000015 Ether (1.5 Gwei) 4 9 Nonce Position ⑦ Input Data: Function: vote(uint256 proposal) \*\*\* MethodID: 0x0121b93f
[0]: 0000000000000000 View Input As 💌 candidates 1
0: uint256: id 1

8



v)





- x) Pour sécuriser la gestion des candidats, il suffit d'ajouter une condition qui vérifier que le owner du contrat est bien celui qui veux modifier les candidats.
- y) Une fonction est déjà créée nous allons la re-utiliser : function addCandidate (string memory \_name) public onlyOwner {

```
function addCandidate (string memory _name) public onlyOwner {
   candidatesCount ++;
   candidates[candidatesCount] = Candidate(candidatesCount, _name, 0);
}
```

Nous ajoutons un candidat, transférons le contrat et réessayons d'ajouter un contrat :

