



# Voting System

Inheritance, visibility and modifiers in Solidity

Marcos Alonso Campillo

Leon Novački



## EOA Addresses

Role	Address
Authority	0x5B38Da6a701c568545dCfcB03FcB875f56beddC4
President1	0xAb8483F64d9C6d1EcF9b849Ae677dD3315835cb2
President2	0x4B20993Bc481177ec7E8f571ceCaE8A9e22C02db
V1	0x78731D3Ca6b7E34aC0F824c42a7cC18A495cabaB
V2	0x617F2E2fD72FD9D5503197092aC168c91465E7f2
V3	0x17F6AD8Ef982297579C203069C1DbfFE4348c372
V4	0x5c6B0f7Bf3E7ce046039Bd8FABdF3f9F5021678
V5	0x03C6FcED478cBbC9a4FAB34eF9f40767739D1Ff7

6. Invoke the function “getResults” with the address of the authority.  
Which message appears?

“The transaction has been reverted to the initial state.”  
Reason provided by the contract: "Not all votings are finished."  
Debug the transaction to get more information.

8. Invoke the function getResults of contract Election using the address of one polling station president. Which message appears?

“The transaction has been reverted to the initial state.”  
Reason provided by the contract: "Only authority can use this operation."  
Debug the transaction to get more information.



9. Invoke the function `getResults` of contract Election using the address of the authority.

What results are obtained?

The transaction has been reverted to the initial state.

Note: The called function should be payable if you send value and the value you send should be less than your current balance.

Debug the transaction to get more information.

The individual `getResults` from each `DhondtPollingStation` work, and the answers they give are 0,3,1 and 10,5,0, which give the final result of 10,8,1.

Party1	10
Party2	8
Party3	1

The Election function `getResults` fails showing the message above, we haven't been able to debug it.