

Background Assignment

Before Optimisation

transaction hash	0x1d03960a25caa74d489d2f1f4fcba22dbebe39954c75137dc520e0db56d772a4
from	0x5B38Da6a701c568545dCfcB03FcB875f56beddC4
to	Ballot.(fallback) 0x7EF2e0048f5bAeDe046f6BF797943daF4ED8CB47
gas	80000000 gas
transaction cost	48657 gas
execution cost	48657 gas
hash	0x1d03960a25caa74d489d2f1f4fcba22dbebe39954c75137dc520e0db56d772a4

Gas used for giving rights to ONE wallet address: 48,657

Gas used for giving rights to TEN wallet addresses: 486,570

After Optimisation

to	Ballot.giveRightToVote(address[]) 0x9D7f74d0C41E726EC95884E0e97Fa6129e3b5E99
gas	80000000 gas
transaction cost	279990 gas
execution cost	279990 gas
hash	0x9e5222c7ecd2ea0db7c3949d3b30b29460f3ccd4c5b3bf9a3173ed50a0b7dc6b
input	0x858...c70dc
decoded input	{

Gas used for giving rights to TEN wallet addresses: 279,990

Source Code: <https://github.com/matthew-chua/ZKU.git>