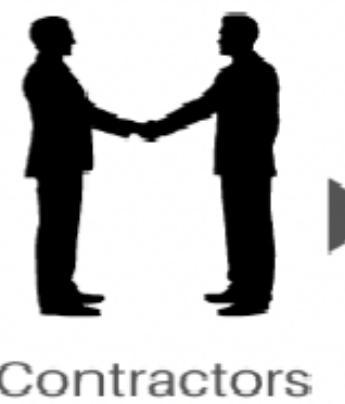


Smart Contracts

ITU BLOCKCHAIN ACADEMY



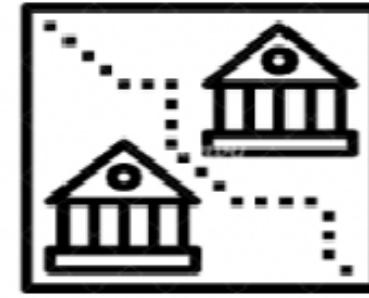
Traditional Contracts



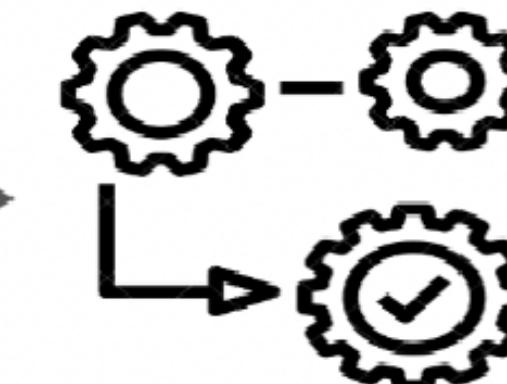
Contractors



Contract



Third Parties and
Legal
Processes



Execution

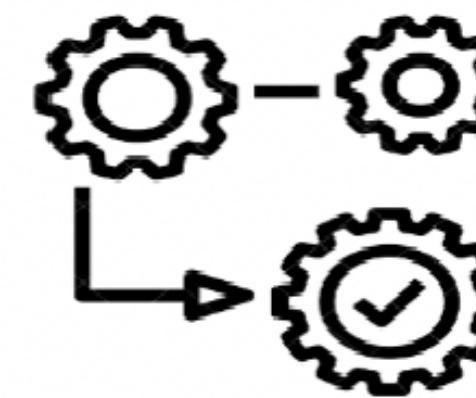
Smart Contracts



Contractors



Contract



Execution

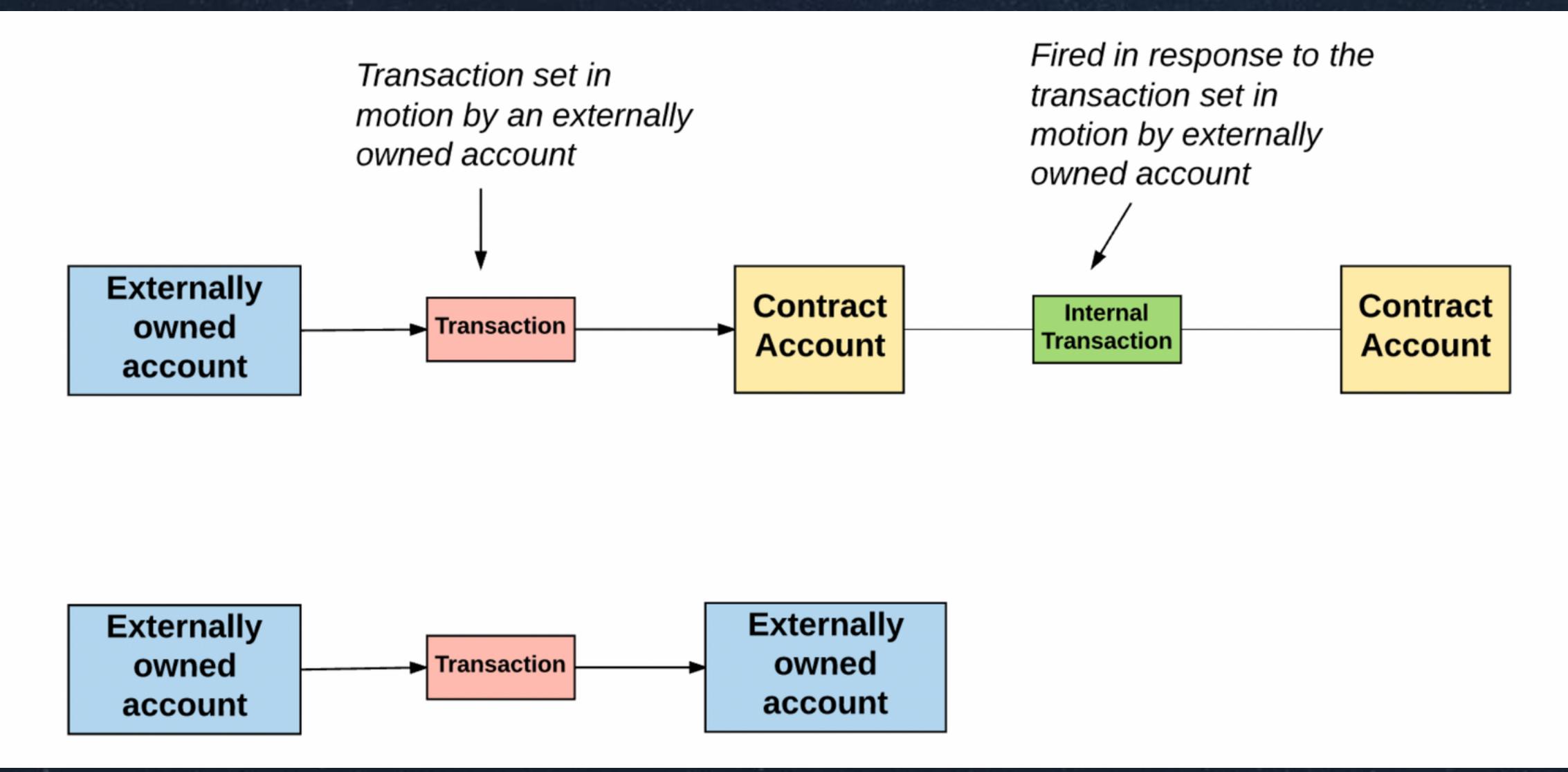


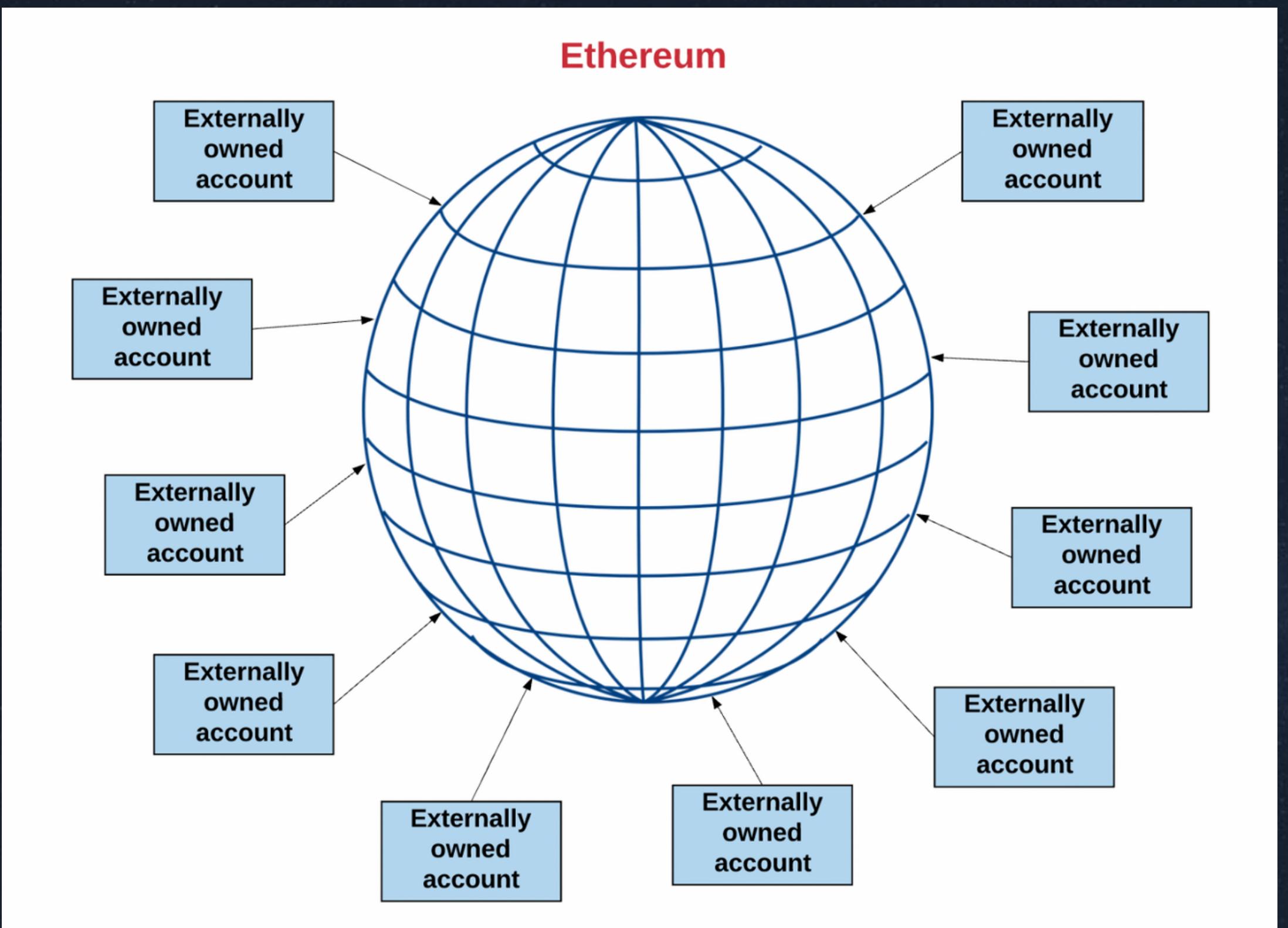
Externally owned account

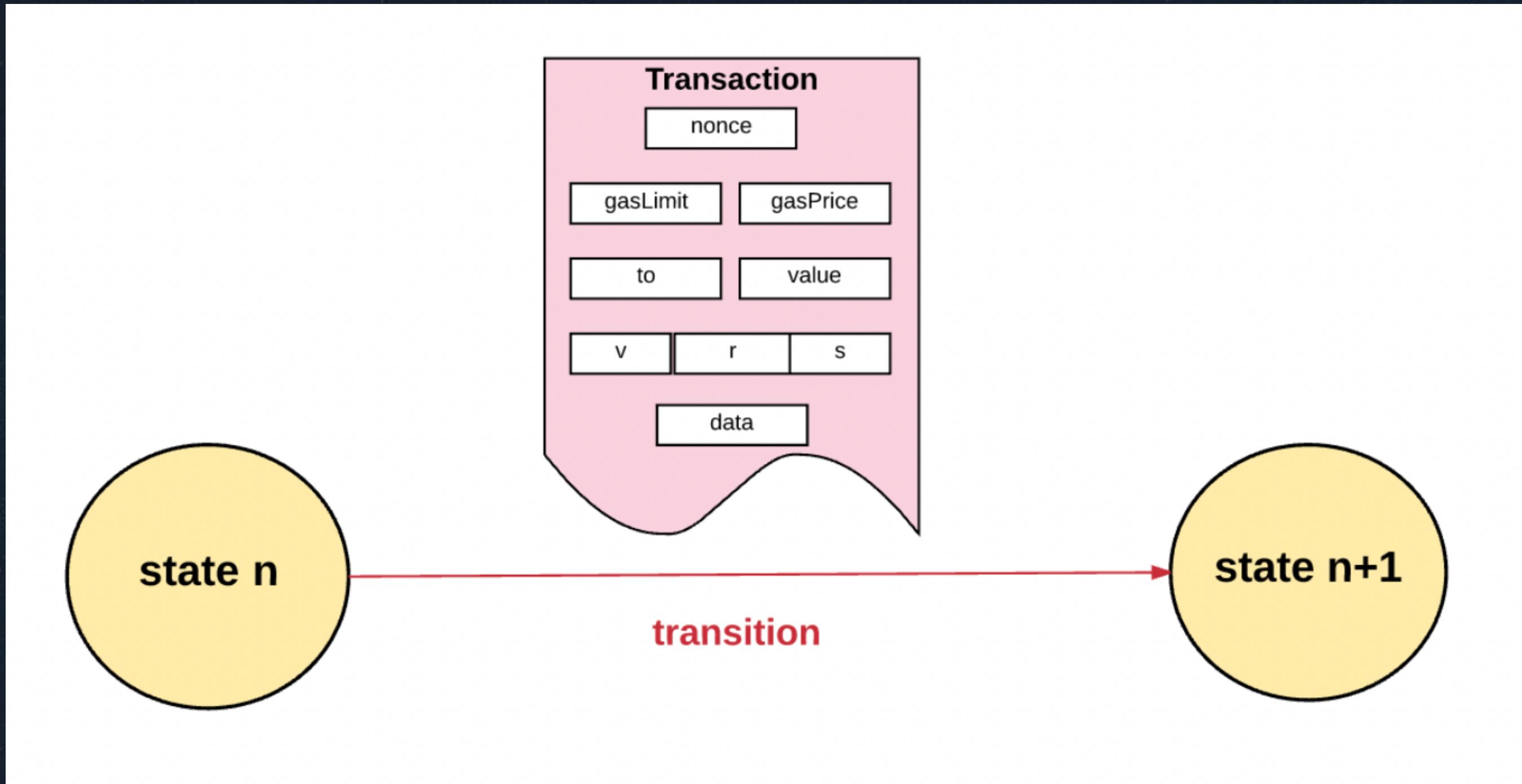


Contract account

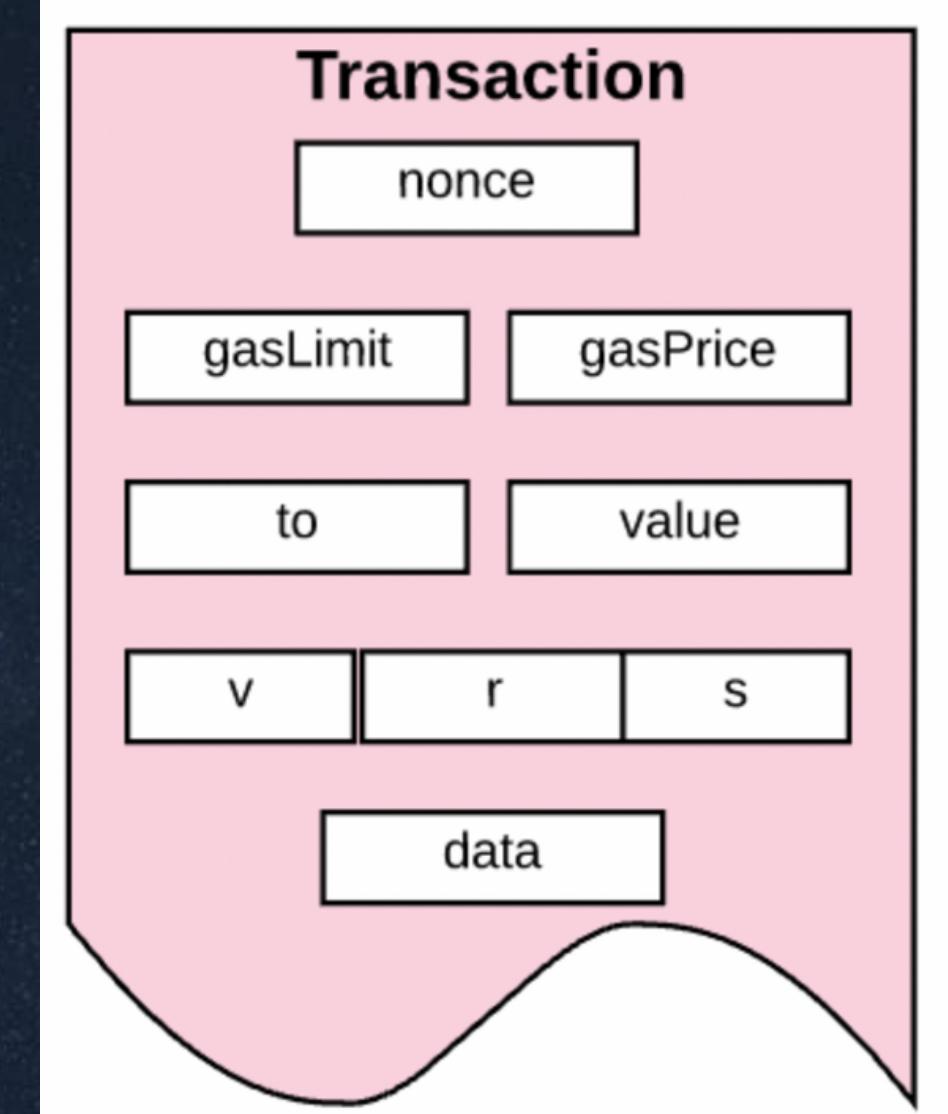
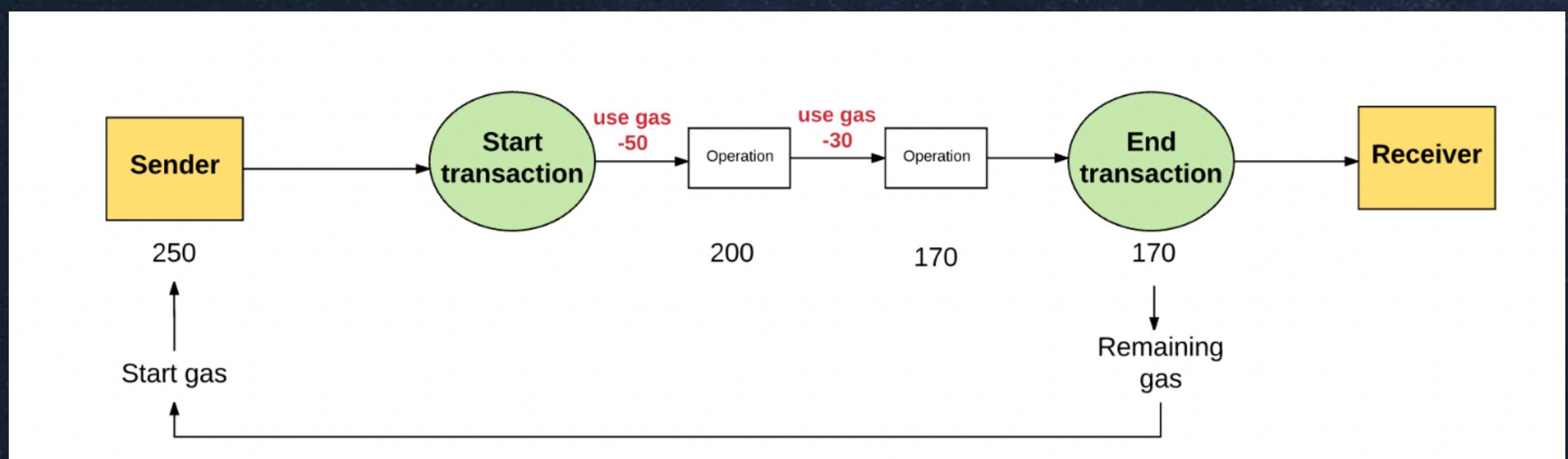
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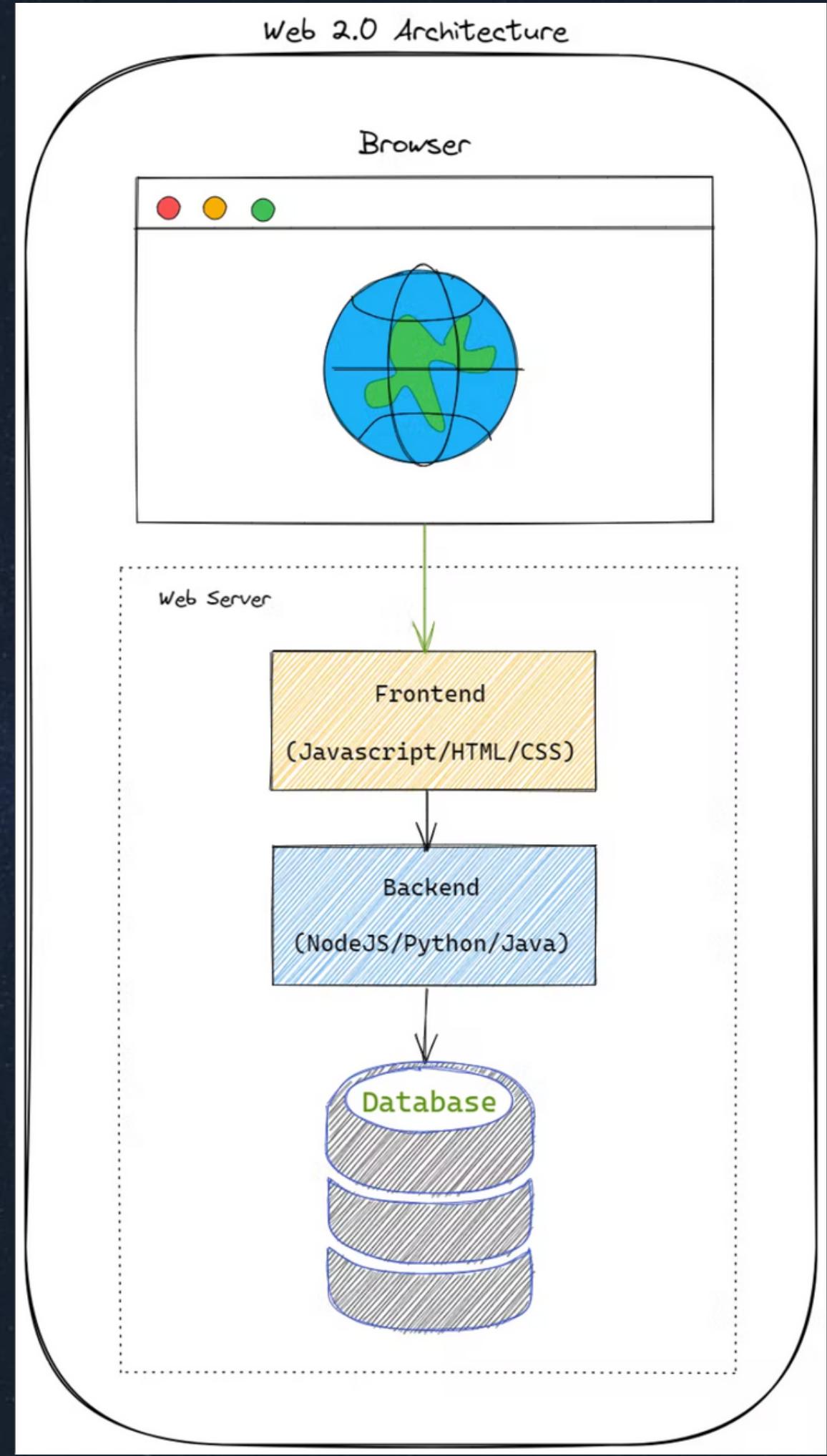


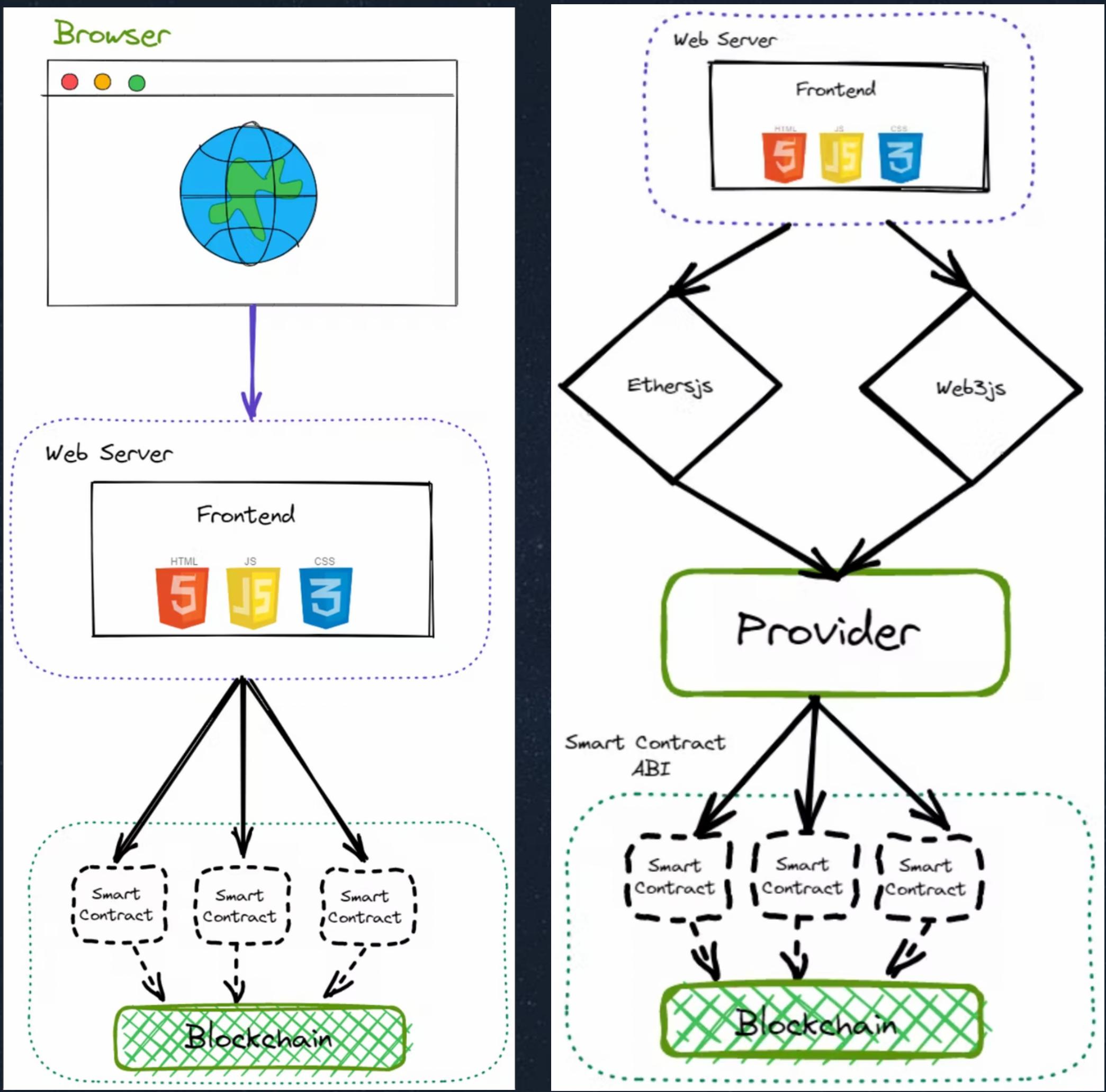




$$\text{Gas Limit} \quad \mathbf{50,000} \quad \times \quad \text{Gas Price} \quad \mathbf{20 \text{ gwei}} \quad = \quad \text{Max transaction fee} \quad \mathbf{0.001 \text{ Ether}}$$







ERC-20 vs ERC-721

FUNGIBLE



NON - FUNGIBLE



#757343



#42322



#42836

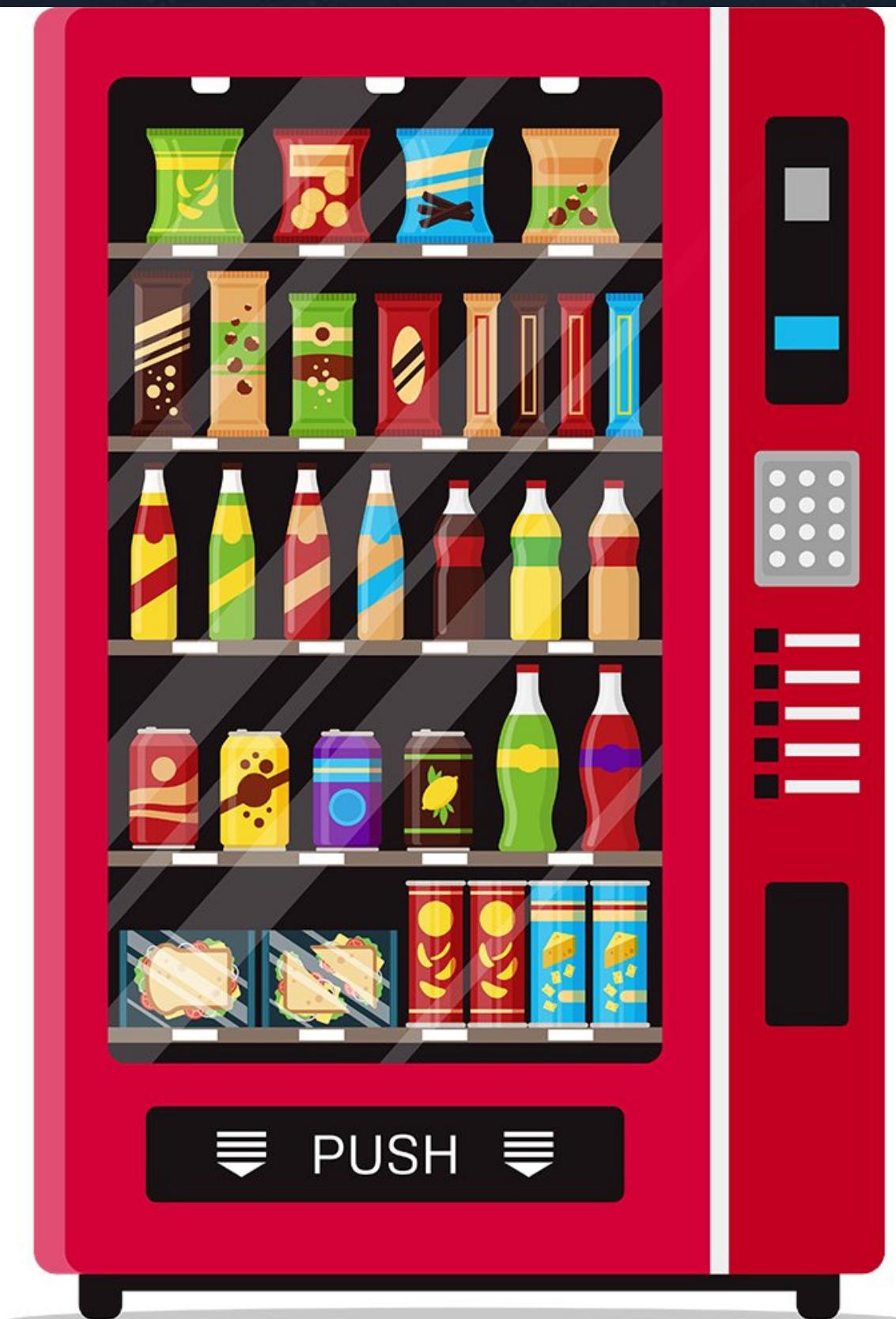


#39491





ERC-721
(1 vending machine for each item)



ERC-1155
(1 vending machine for infinite items)



Security Products to;
Build
Manage and
Inspect
Software;
Development and
Operations





REMIX IDE



