Cs584 lab2

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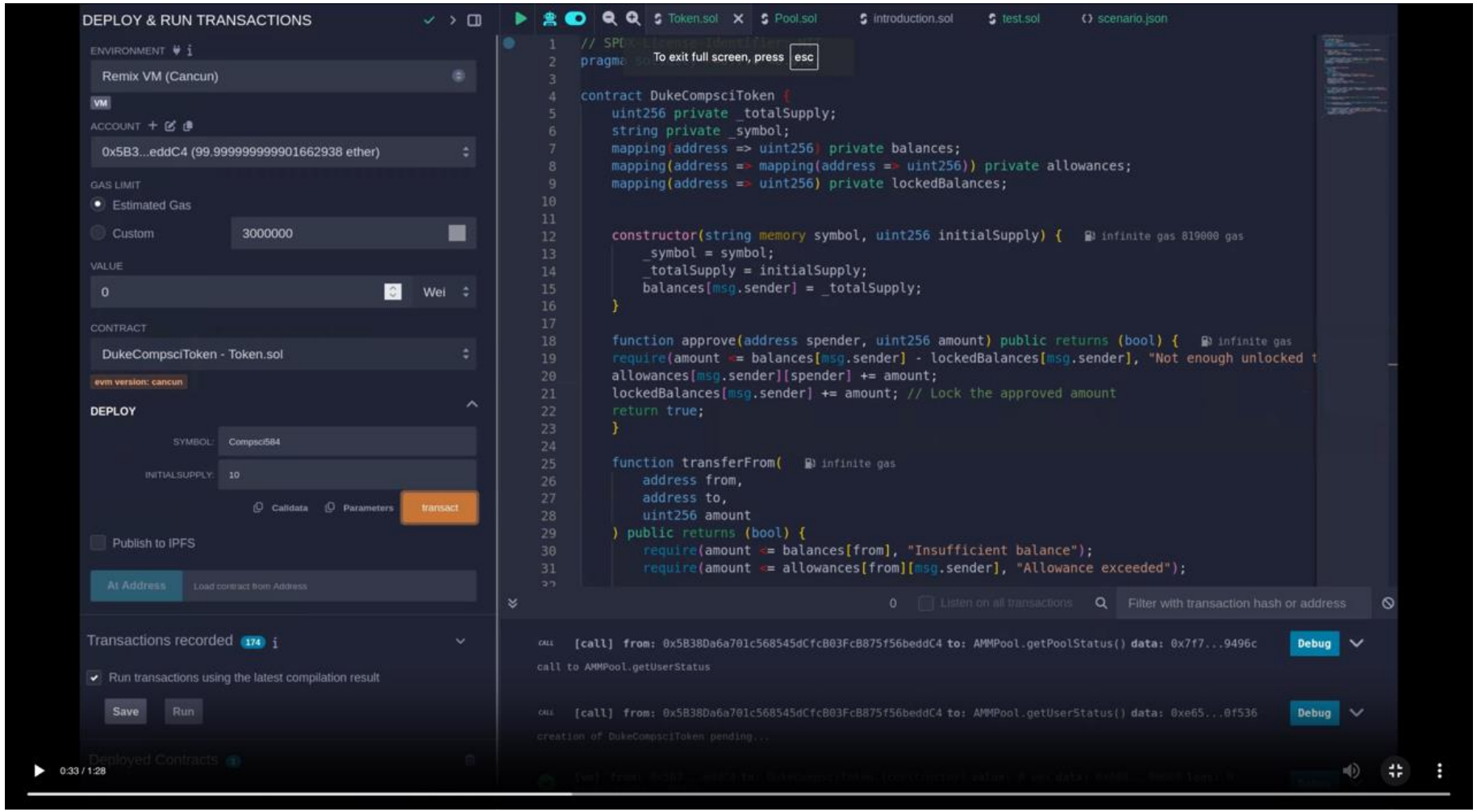
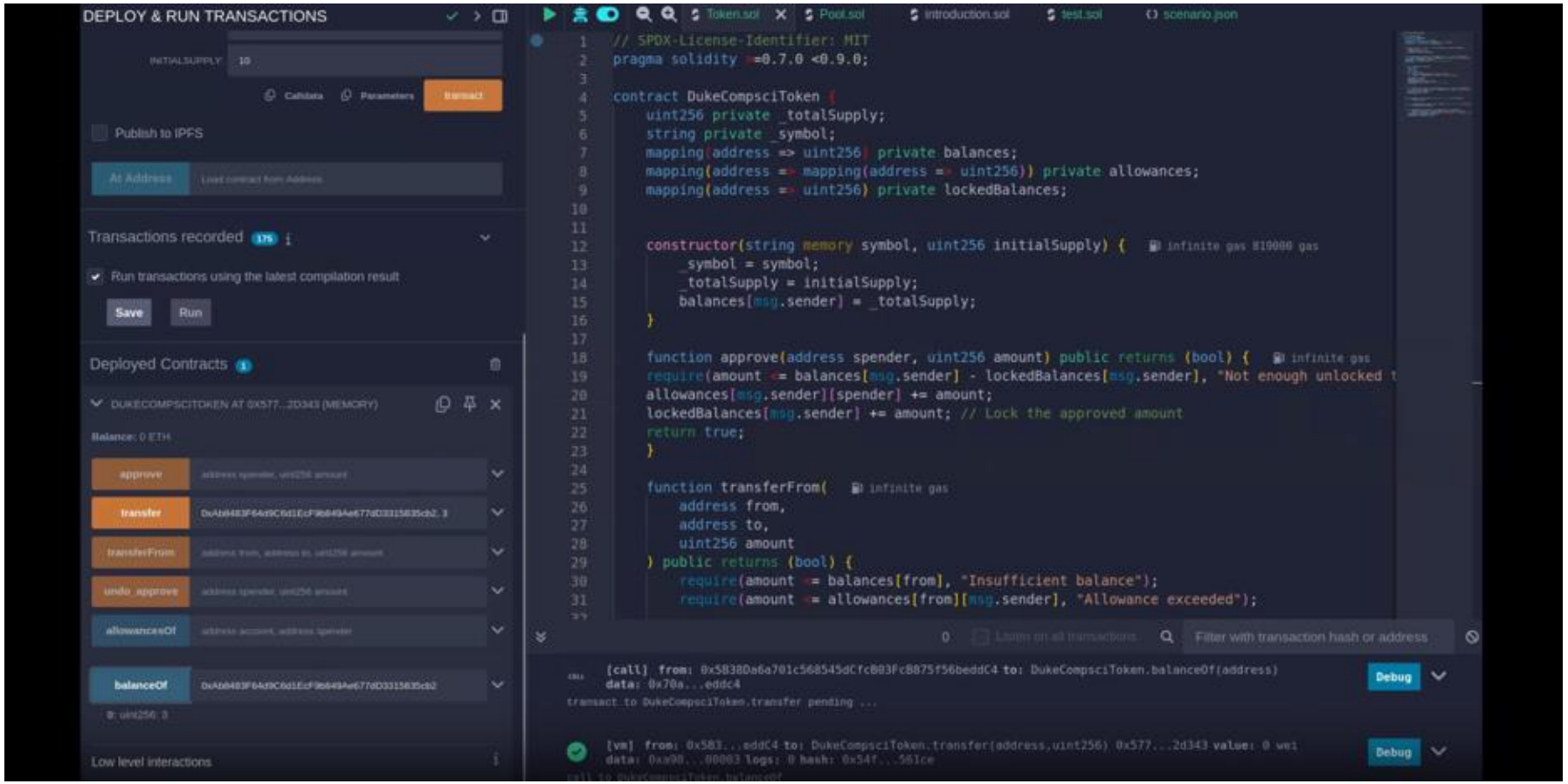
Task 1

- Deploy



Task1

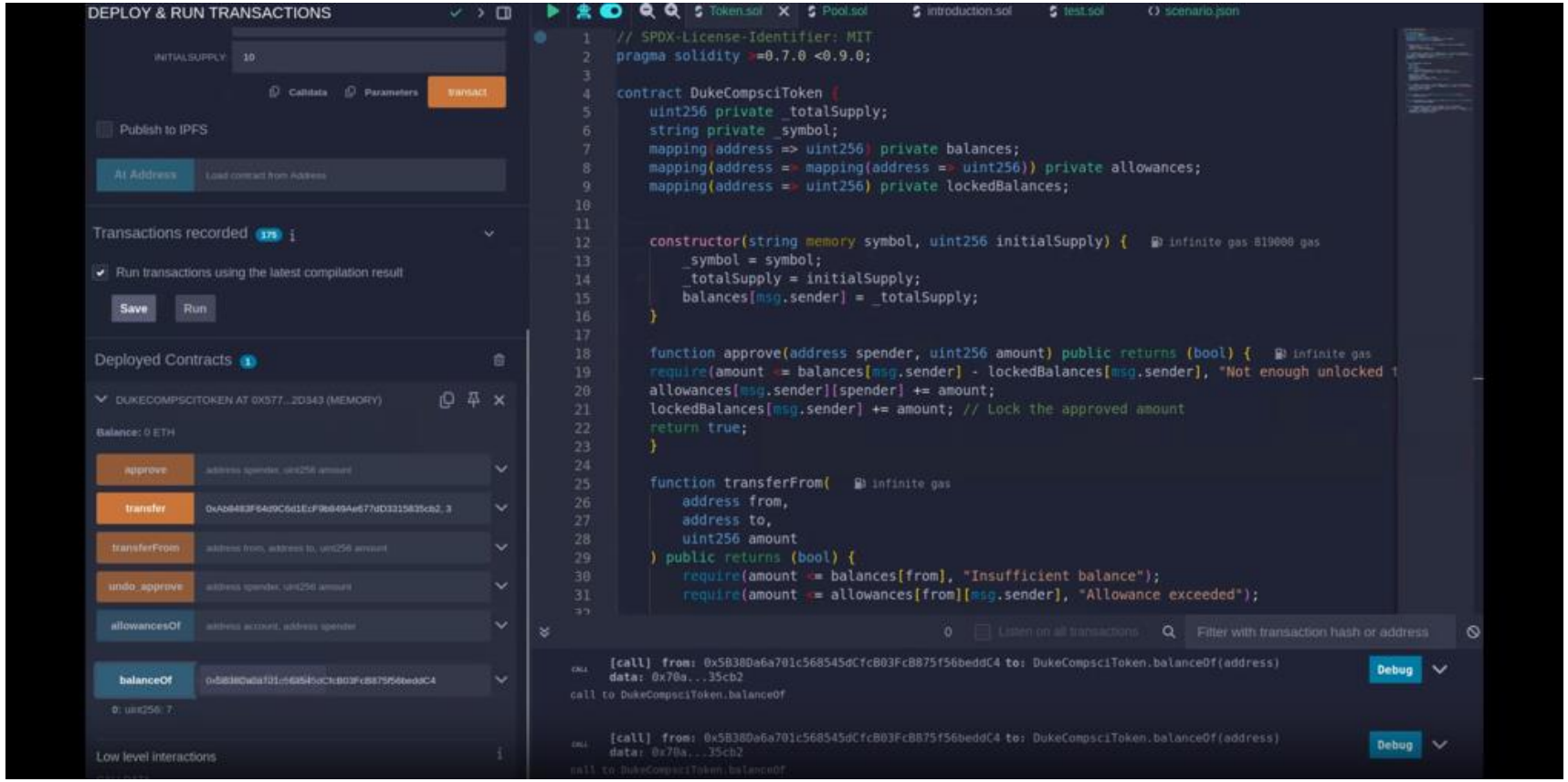


Balance of account 0x...C4:10.

Transfer 3 to 0x...b2

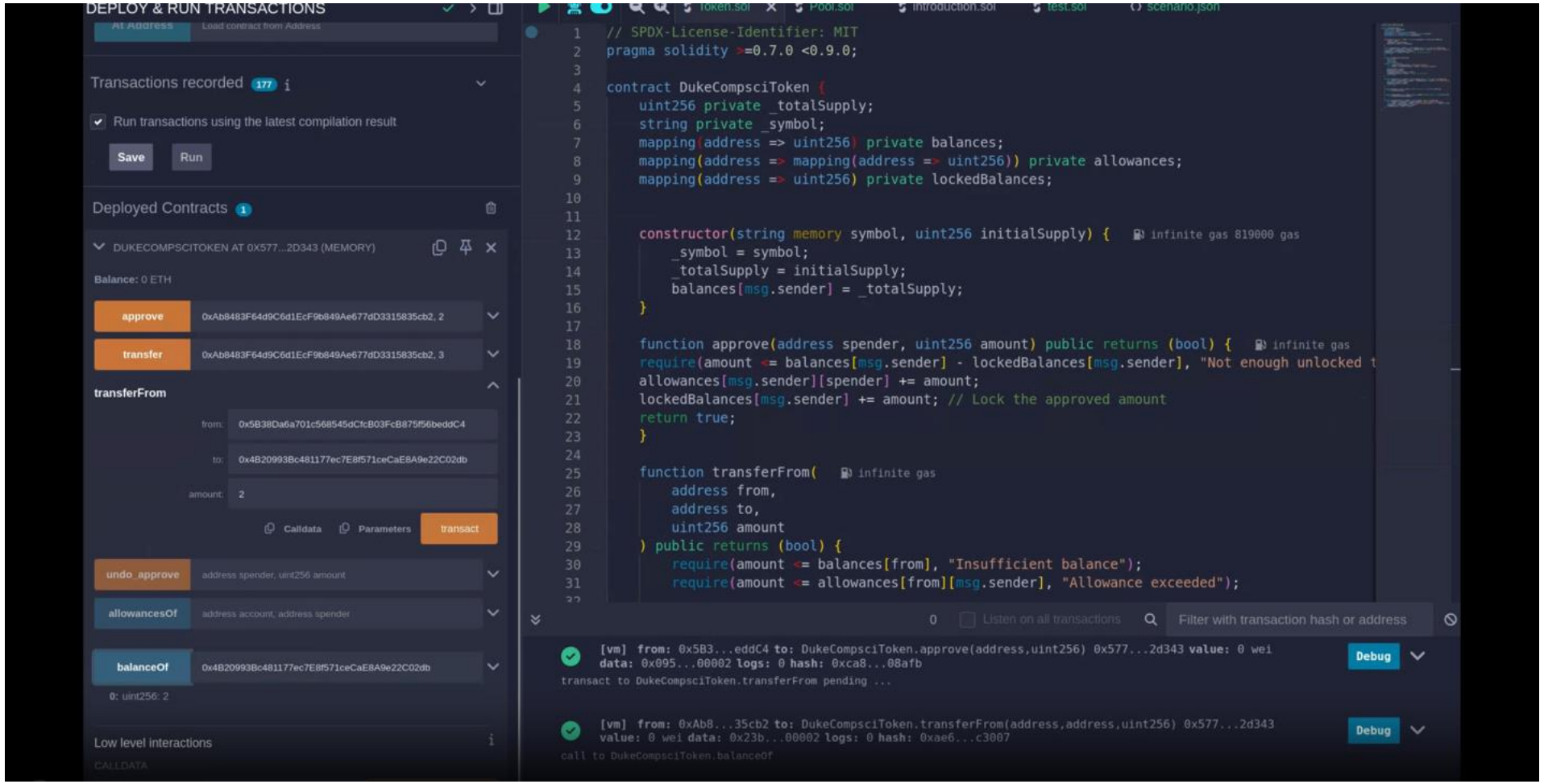
0x...b2 now have 3 tokens

Task1



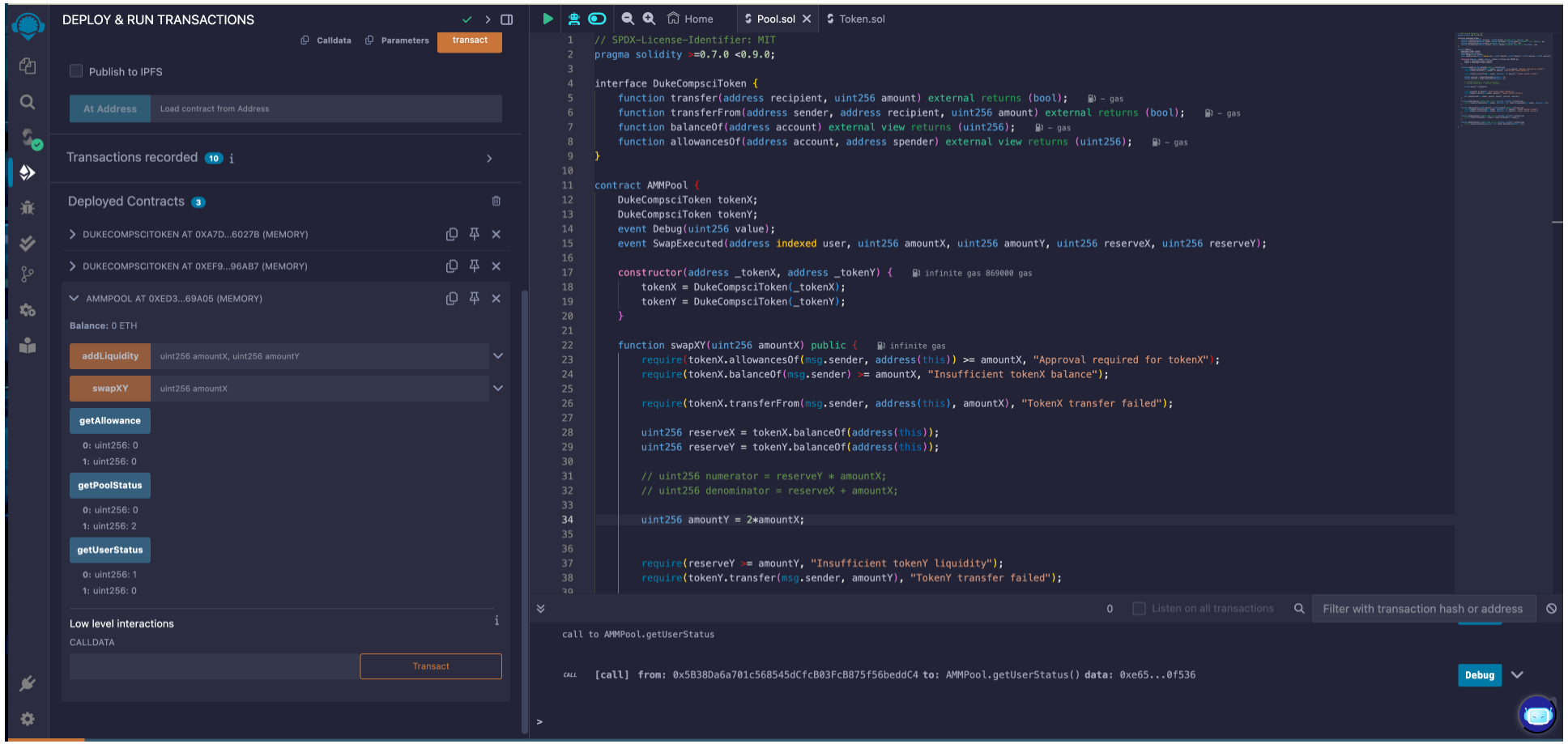
Only 7 left in 0x...C4

Task2



Transfer 2 tokens with approval. Check balanceOf 0x...db, now have two tokens with approval.

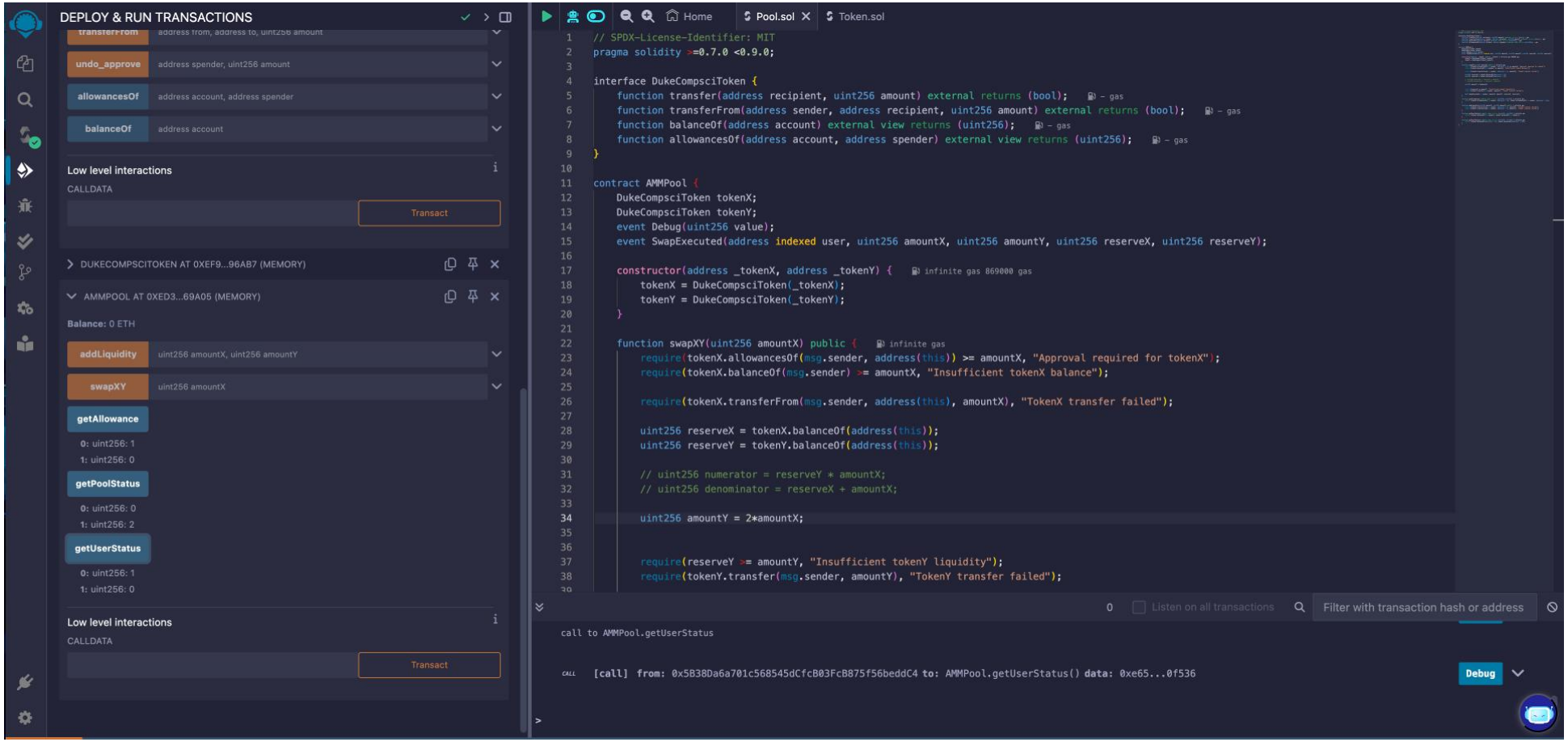
Task3



Initial State

Check all parameter s at bottom of the left corner.

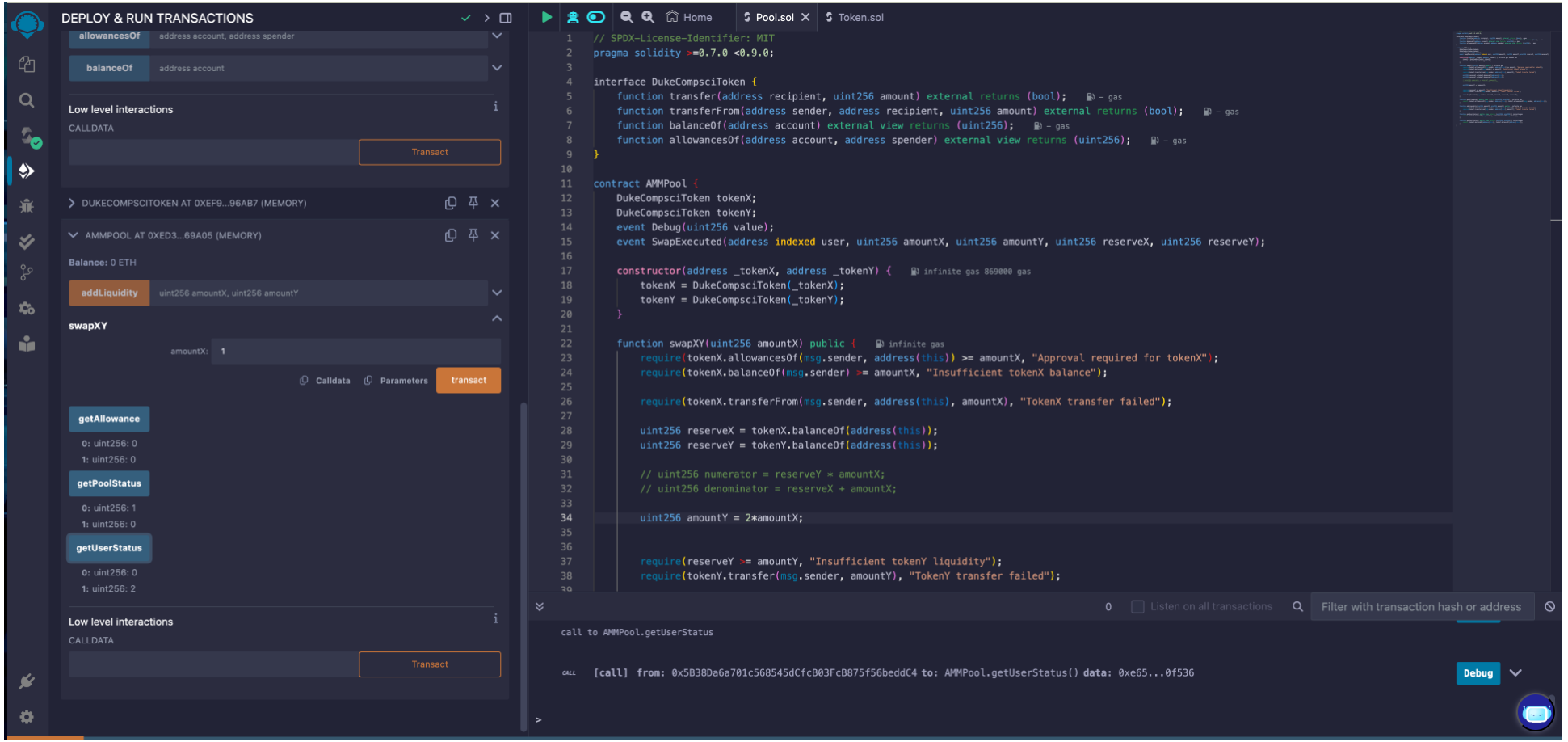
Task3



Get approved(has allowance)

`A.approve(P,1)`

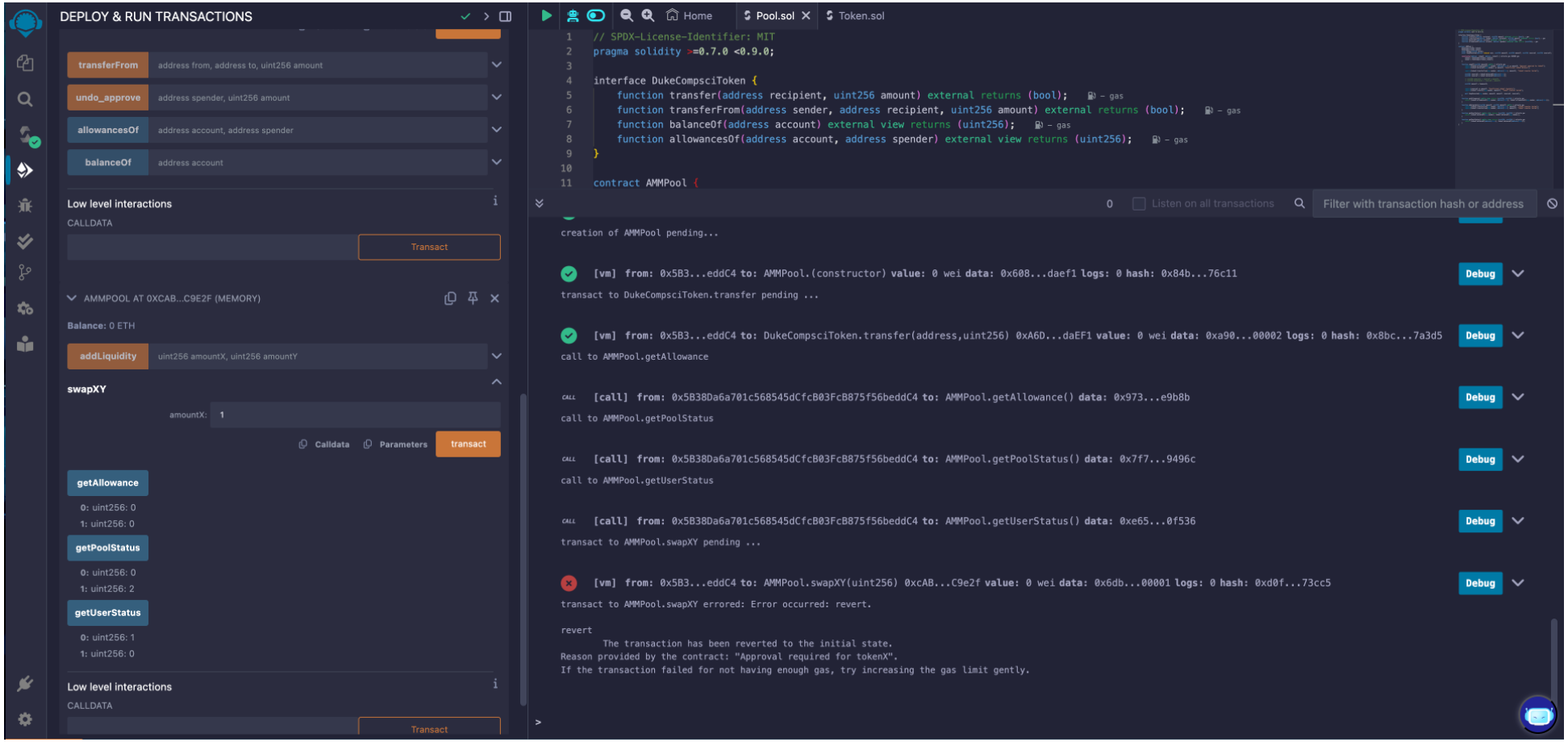
Task3



Swapped.

The assets # has been updated

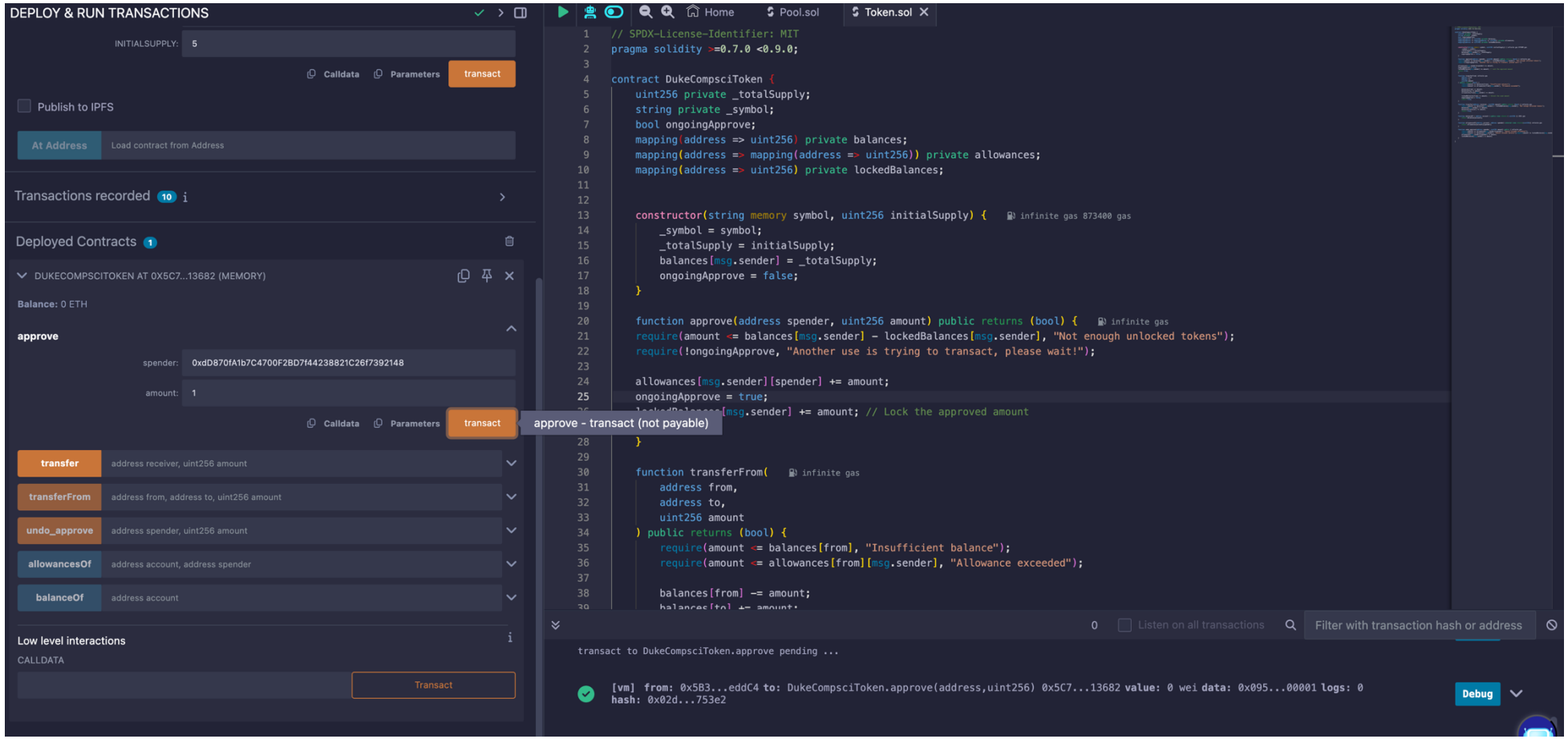
Task4



Without approval:

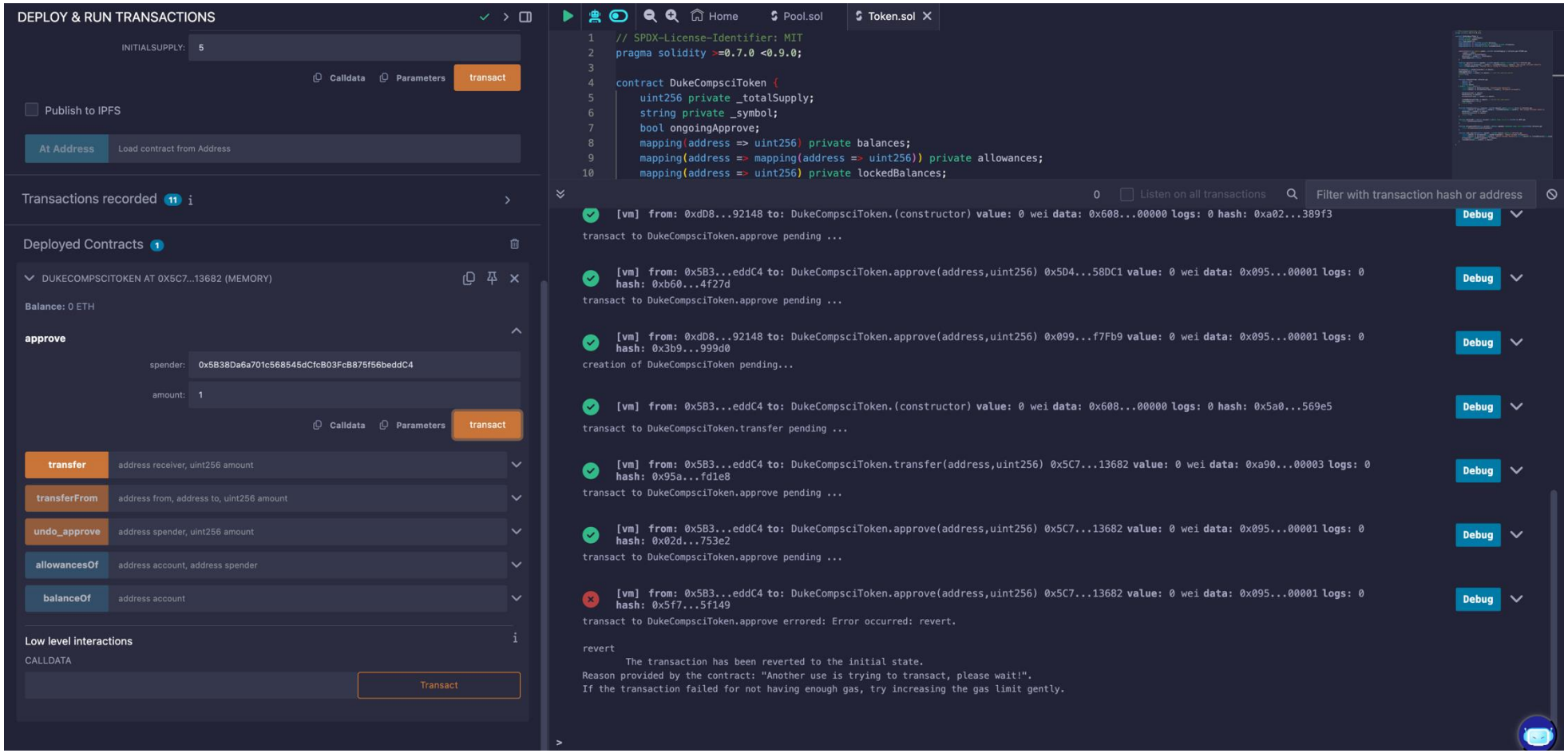
If swap them directly, an error will occur “Approval required for tokenX

Task4



Approve a certain amount

Task4

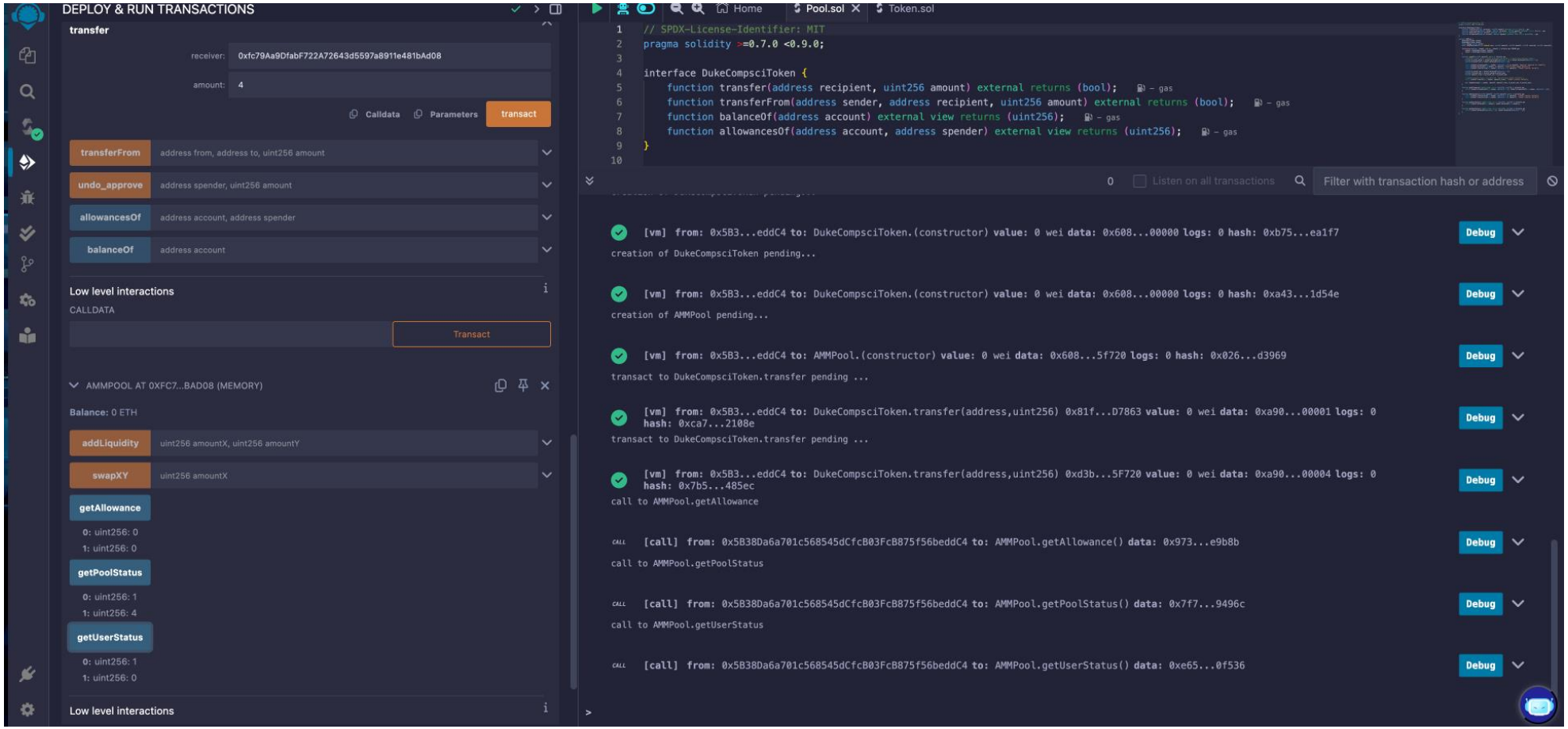


Another use trying to create another allowance and transact before the previous transaction happens:

Error: “Another user is trying to transact, please wait!”

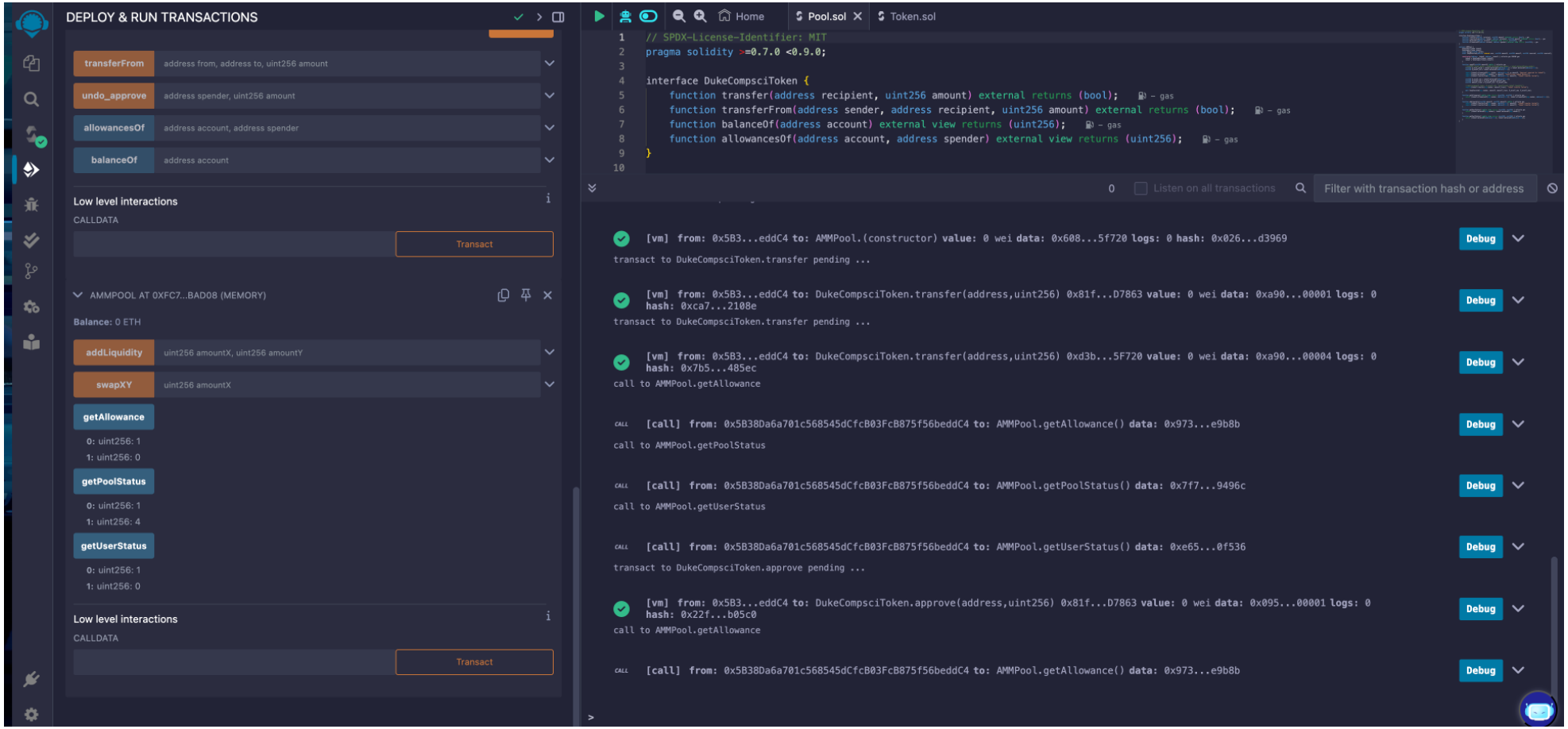
Could not create a new approval.

Task5



Initial state

Task5

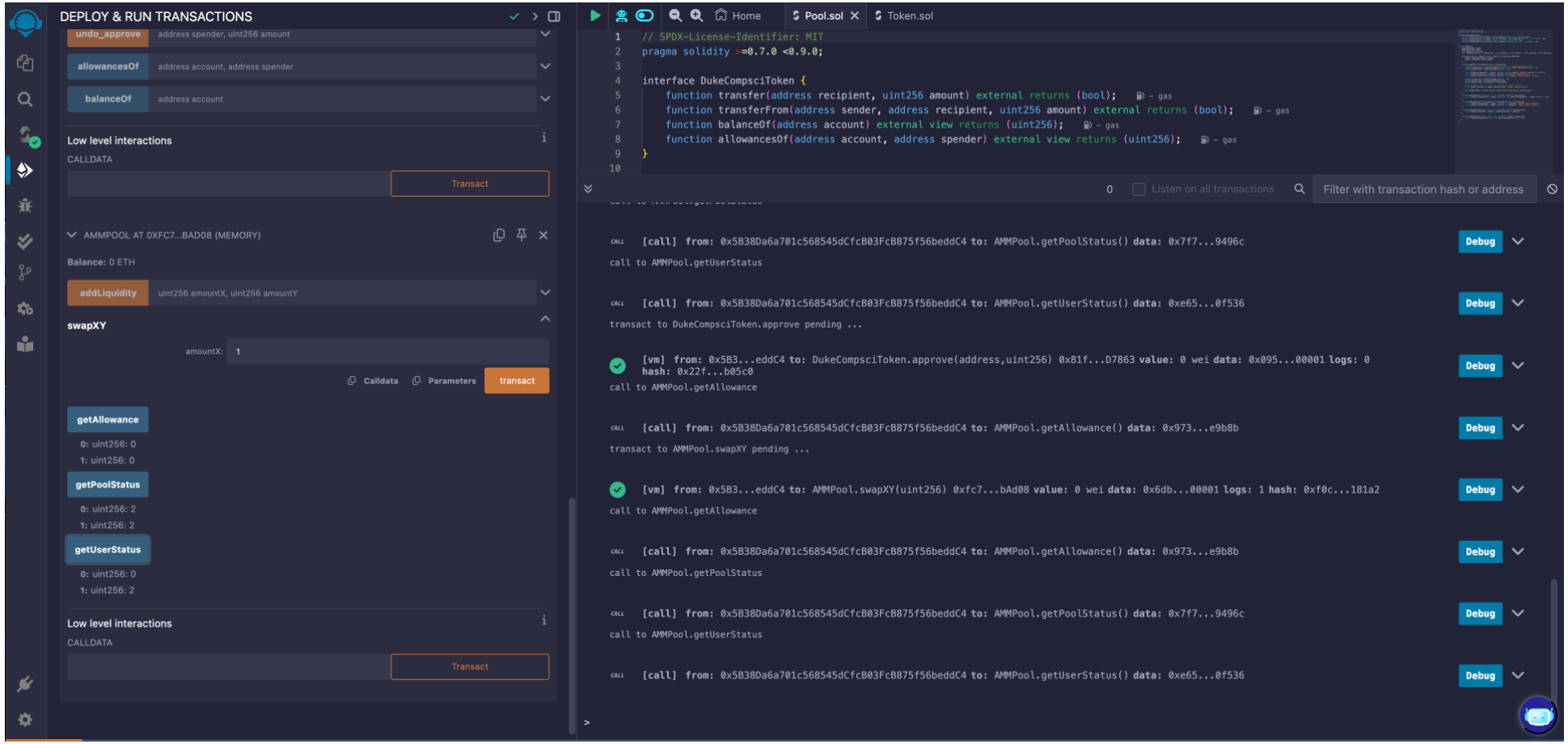


Approval Created

Can see in the “getAllowance”

`A.approve(P,1)`

Task5



Final result

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A.swapXY(1)
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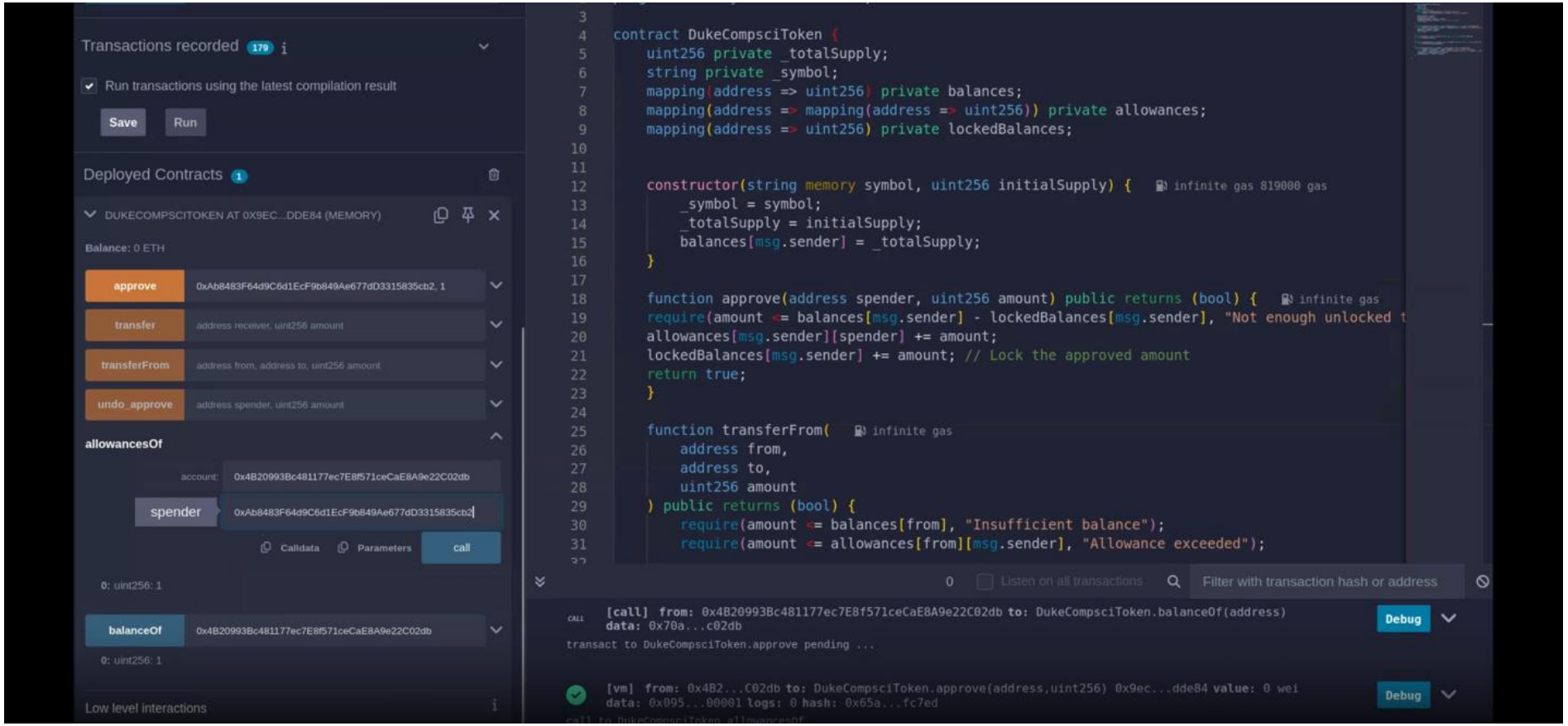
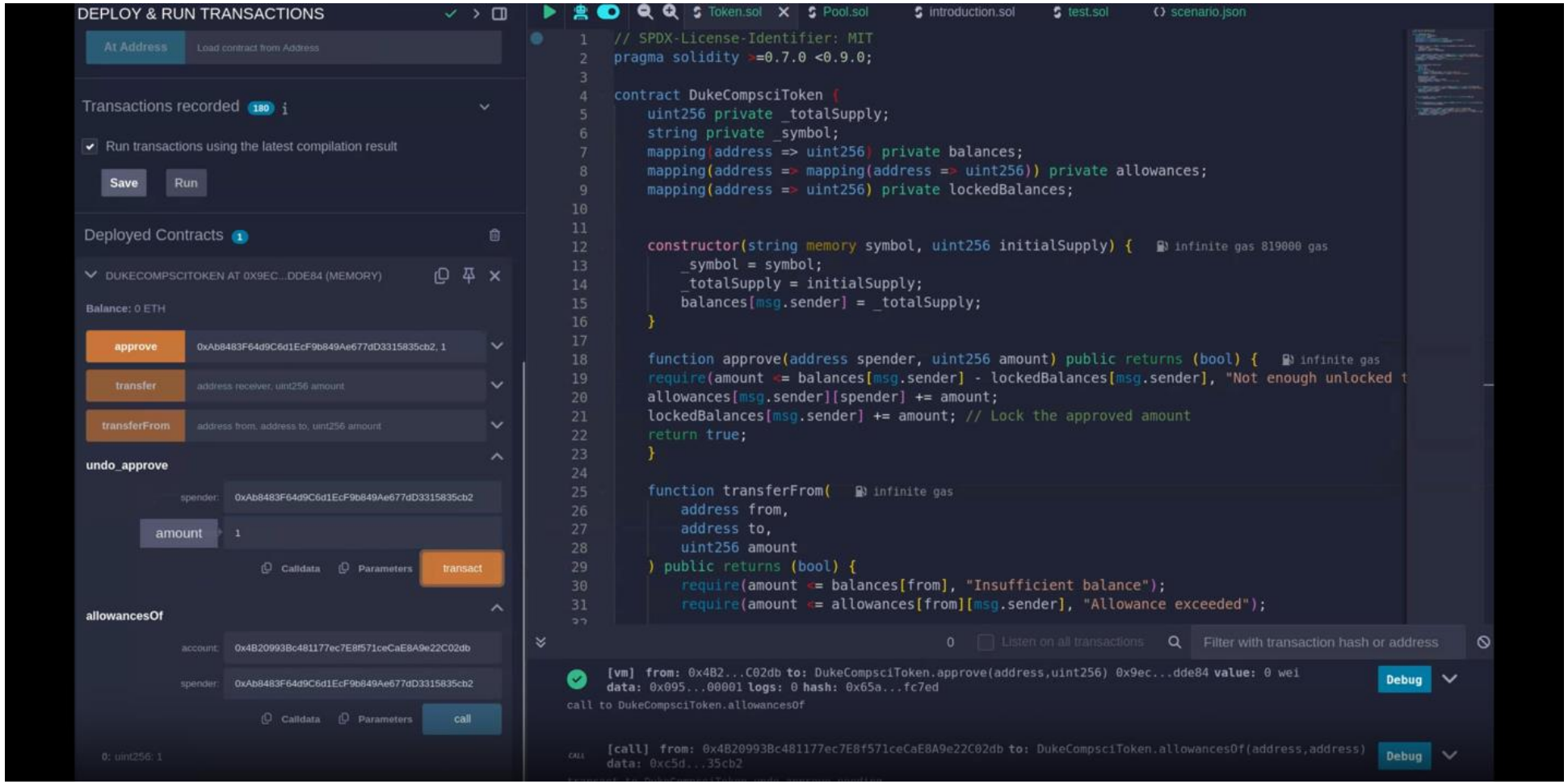
Task6



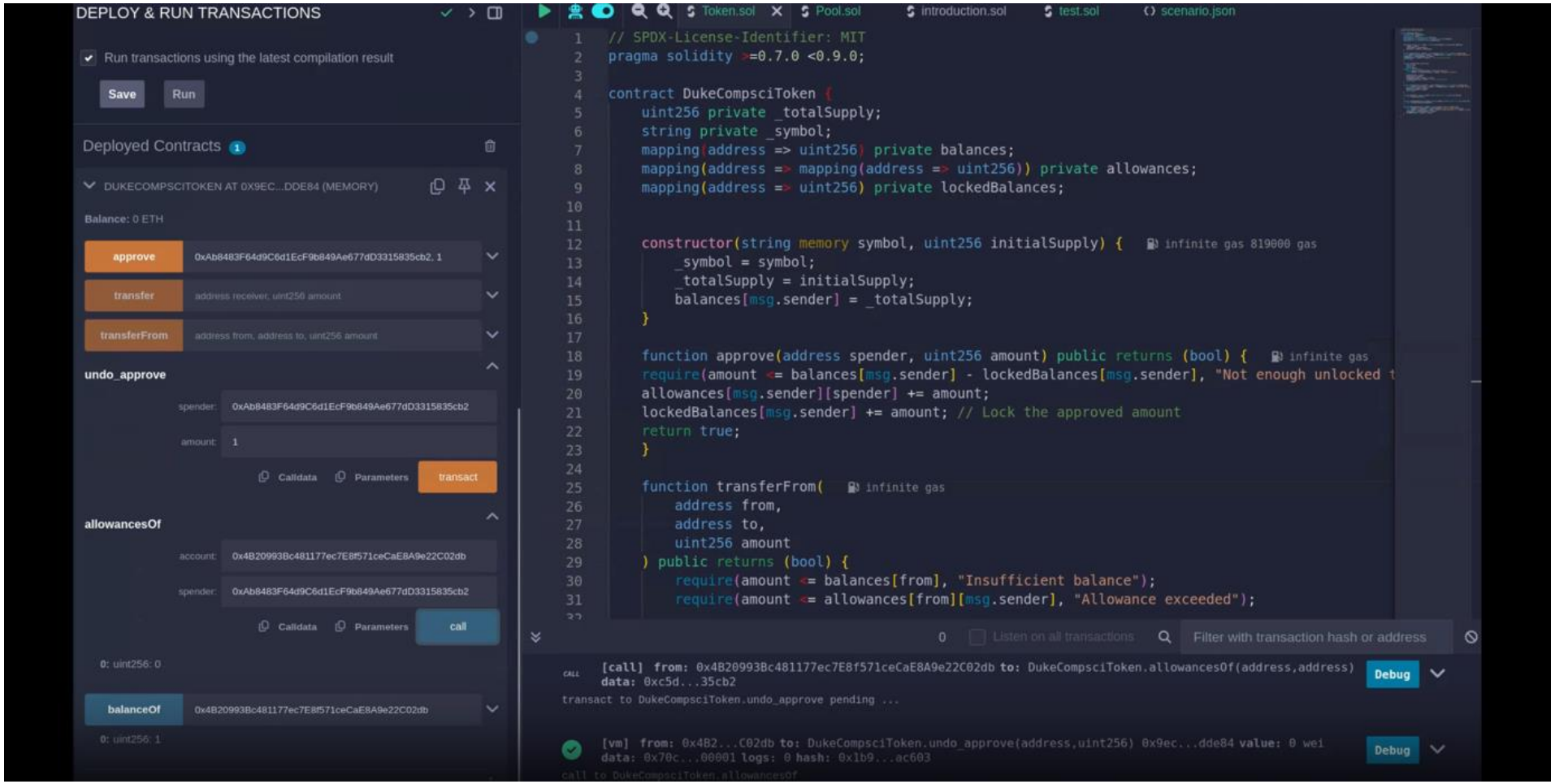
Initiate the allowance

Task6



Undo the approval

Task6



Allowance -> 0:

The approval has been cancelled