Interpretation Result:

Log file:

**IOBS inputs:**

00:00:10 1 0

00:04:20 1 0

00:10:30 1 0

**Linkings:**

dynamic::translate::make\_IC<AccountAccessManager\_defs::van, inp\_accountnumber**>("AAM1","ae"**),

dynamic::translate::make\_IC<outp\_aebillamount, TransactionProcessManager\_defs::VBA\_IN>("**ae","TPM1**")

**Online Banking Output Messages:**

00:00:00:000

00:00:00:000

[cadmium::basic\_models::pdevs::iestream\_input\_defs<Message\_t>::out: {}] generated by model input\_reader1

00:00:10:000

[cadmium::basic\_models::pdevs::iestream\_input\_defs<Message\_t>::out: {**1 0**}] generated by model input\_reader1

00:00:20:000

[AccountAccessManager\_defs::van: {**840187**}, AccountAccessManager\_defs::logout: {}] generated by model AAM1

00:00:30:000

[AccountNumberVerifier\_defs::output\_OUT: {**0 1**}] generated by model ANV1 ***//The request has been rejected***

00:04:20:000

[cadmium::basic\_models::pdevs::iestream\_input\_defs<Message\_t>::out: {**1 0**}] generated by model input\_reader1

00:04:30:000

[AccountAccessManager\_defs::van: {**783099**}, AccountAccessManager\_defs::logout: {}] generated by model AAM1

00:04:40:000

[AccountNumberVerifier\_defs::output\_OUT: {**1 0**}] generated by model ANV1

00:04:50:000

[PasswordVerifier\_defs::Output\_OUT: {**1 2**}] generated by model PV1

00:05:00:000

[BillPaymentManager\_defs::VBA\_OUT: {**2336**}] generated by model BPM1

00:05:10:000

[TransactionProcessManager\_defs::Output\_OUT: {**664 1**}] generated by model TPM1 ***//The request processed successfully and the account balance is 664 and logout status is 1***

00:10:30:000

[cadmium::basic\_models::pdevs::iestream\_input\_defs<Message\_t>::out: {**1 0**}] generated by model input\_reader1

00:10:40:000

[AccountAccessManager\_defs::van: {**335222**}, AccountAccessManager\_defs::logout: {}] generated by model AAM1

00:10:50:000

[AccountNumberVerifier\_defs::output\_OUT: {**0 1**}] generated by model ANV1 ***// The request has been rejected***

**Online Banking Output States:**

00:00:00:000

State for model input\_reader1 is next time: 00:00:00:000

State for model AAM1 is login\_status: 0 & ian\_status 0 Account number: 0

State for model ANV1 is account number valid: 0

State for model PV1 is password number: 0

State for model BPM1 is bill amount: 0Invalid bill? 0

State for model TPM1 is bill amount: 0Current Account Balance: 3000

00:00:00:000

State for model input\_reader1 is next time: 00:00:10:000

State for model AAM1 is login\_status: 0 & ian\_status 0 Account number: 0

State for model ANV1 is account number valid: 0

State for model PV1 is password number: 0

State for model BPM1 is bill amount: 0Invalid bill? 0

State for model TPM1 is bill amount: 0Current Account Balance: 3000

00:00:10:000

State for model input\_reader1 is next time: 00:04:10:000

State for model AAM1 is login\_status: 1 & ian\_status 0 Account number: 840188

State for model ANV1 is account number valid: 0

State for model PV1 is password number: 0

State for model BPM1 is bill amount: 0Invalid bill? 0

State for model TPM1 is bill amount: 0Current Account Balance: 3000

00:00:20:000

State for model input\_reader1 is next time: 00:04:10:000

State for model AAM1 is login\_status: 1 & ian\_status 0 Account number: 840188

State for model ANV1 is account number valid: 0

State for model PV1 is password number: 0

State for model BPM1 is bill amount: 0Invalid bill? 0

State for model TPM1 is bill amount: 0Current Account Balance: 3000

00:00:30:000

State for model input\_reader1 is next time: 00:04:10:000

State for model AAM1 is login\_status: 1 & ian\_status 0 Account number: 840188

State for model ANV1 is account number valid: 0

State for model PV1 is password number: 0

State for model BPM1 is bill amount: 0Invalid bill? 0

State for model TPM1 is bill amount: 0Current Account Balance: 3000

00:04:20:000

State for model input\_reader1 is next time: 00:06:10:000

State for model AAM1 is login\_status: 1 & ian\_status 0 Account number: 783099

State for model ANV1 is account number valid: 0

State for model PV1 is password number: 0

State for model BPM1 is bill amount: 0Invalid bill? 0

State for model TPM1 is bill amount: 0Current Account Balance: 3000

00:04:30:000

State for model input\_reader1 is next time: 00:06:10:000

State for model AAM1 is login\_status: 1 & ian\_status 0 Account number: 783099

State for model ANV1 is account number valid: 1

State for model PV1 is password number: 0

State for model BPM1 is bill amount: 0Invalid bill? 0

State for model TPM1 is bill amount: 0Current Account Balance: 3000

00:04:40:000

State for model input\_reader1 is next time: 00:06:10:000

State for model AAM1 is login\_status: 1 & ian\_status 0 Account number: 783099

State for model ANV1 is account number valid: 1

State for model PV1 is password number: 1

State for model BPM1 is bill amount: 0Invalid bill? 0

State for model TPM1 is bill amount: 0Current Account Balance: 3000

00:04:50:000

State for model input\_reader1 is next time: 00:06:10:000

State for model AAM1 is login\_status: 1 & ian\_status 0 Account number: 783099

State for model ANV1 is account number valid: 1

State for model PV1 is password number: 1

State for model BPM1 is bill amount: 2336Invalid bill? 0

State for model TPM1 is bill amount: 0Current Account Balance: 3000

00:05:00:000

State for model input\_reader1 is next time: 00:06:10:000

State for model AAM1 is login\_status: 1 & ian\_status 0 Account number: 783099

State for model ANV1 is account number valid: 1

State for model PV1 is password number: 1

State for model BPM1 is bill amount: 2336Invalid bill? 0

State for model TPM1 is bill amount: 2336Current Account Balance: 664

00:05:10:000

State for model input\_reader1 is next time: 00:06:10:000

State for model AAM1 is login\_status: 1 & ian\_status 0 Account number: 783099

State for model ANV1 is account number valid: 1

State for model PV1 is password number: 1

State for model BPM1 is bill amount: 2336Invalid bill? 0

State for model TPM1 is bill amount: 2336Current Account Balance: 664

00:10:30:000

State for model input\_reader1 is next time: inf

State for model AAM1 is login\_status: 1 & ian\_status 0 Account number: 335223

State for model ANV1 is account number valid: 1

State for model PV1 is password number: 1

State for model BPM1 is bill amount: 2336Invalid bill? 0

State for model TPM1 is bill amount: 2336Current Account Balance: 664

00:10:40:000

State for model input\_reader1 is next time: inf

State for model AAM1 is login\_status: 1 & ian\_status 0 Account number: 335223

State for model ANV1 is account number valid: 0

State for model PV1 is password number: 1

State for model BPM1 is bill amount: 2336Invalid bill? 0

State for model TPM1 is bill amount: 2336Current Account Balance: 664

00:10:50:000

State for model input\_reader1 is next time: inf

State for model AAM1 is login\_status: 1 & ian\_status 0 Account number: 335223

State for model ANV1 is account number valid: 0

State for model PV1 is password number: 1

State for model BPM1 is bill amount: 2336Invalid bill? 0

State for model TPM1 is bill amount: 2336Current Account Balance: 664