

Session 1

Try debiting \$100 from account 1

Completes, leaving account 1 locked

Try crediting \$100 to account 2

Blocks, waiting for account 2

Session 2

Try debiting \$250 from account 2

Completes, leaving account 2 locked

Try crediting \$250 to account 1

Blocks, waiting for account 1

Deadlock!

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graph TD; subgraph Session_1 [Session 1]; S1_1[Try debiting $100 from account 1] --> S1_2[Completes, leaving account 1 locked]; S1_2 --> S1_3[Try crediting $100 to account 2]; S1_3 --> S1_4[Blocks, waiting for account 2]; end; subgraph Session_2 [Session 2]; S2_1[ ] --> S2_2[Try debiting $250 from account 2]; S2_2 --> S2_3[Completes, leaving account 2 locked]; S2_3 --> S2_4[Try crediting $250 to account 1]; S2_4 --> S2_5[Blocks, waiting for account 1]; end; S1_4 --> Deadlock[Deadlock!]; S2_5 --> Deadlock;
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