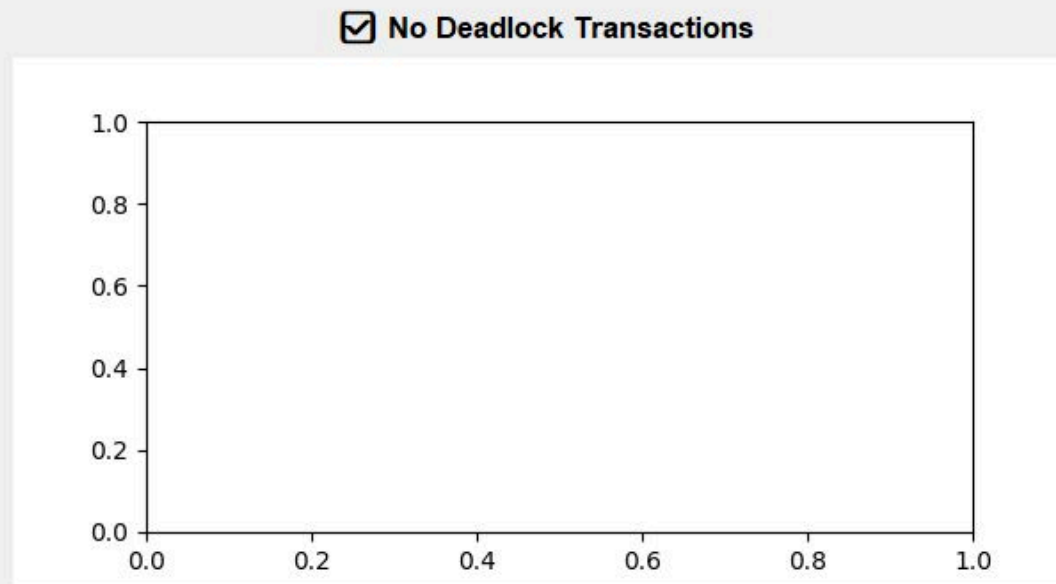
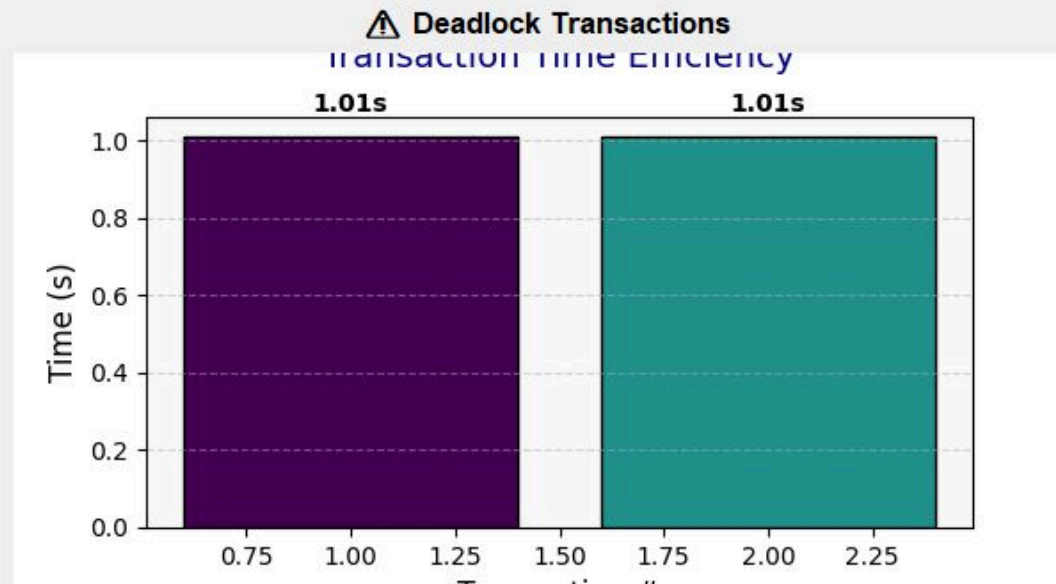
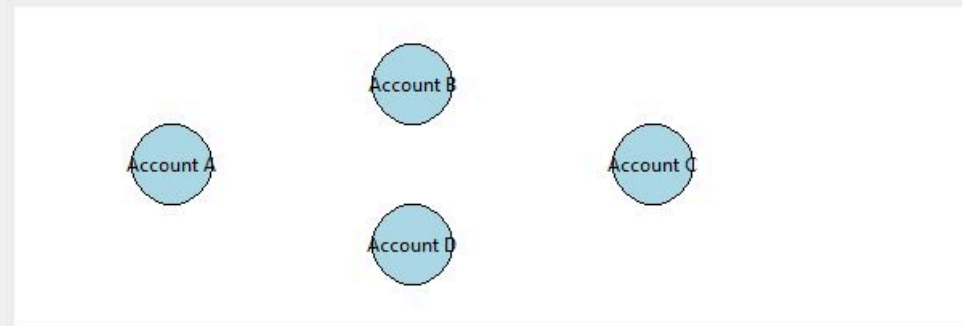


## Account Transaction & Deadlock Visual Simulator



# Account Transaction & Deadlock Visual Simulator

ciency Graph



Account A [Priority 1] Balance: \$5000

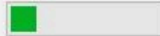
Account B [Priority 2] Balance: \$3000

Account C [Priority 2] Balance: \$4000

Account D [Priority 1] Balance: \$6000

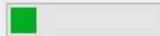
**Deadlock! Same priority: Account D & Account A**

12



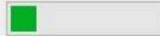
Account A → Account B

23



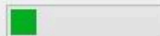
Account B → Account C

45



Account C → Account D

34



Account D → Account A



Deadlock Result

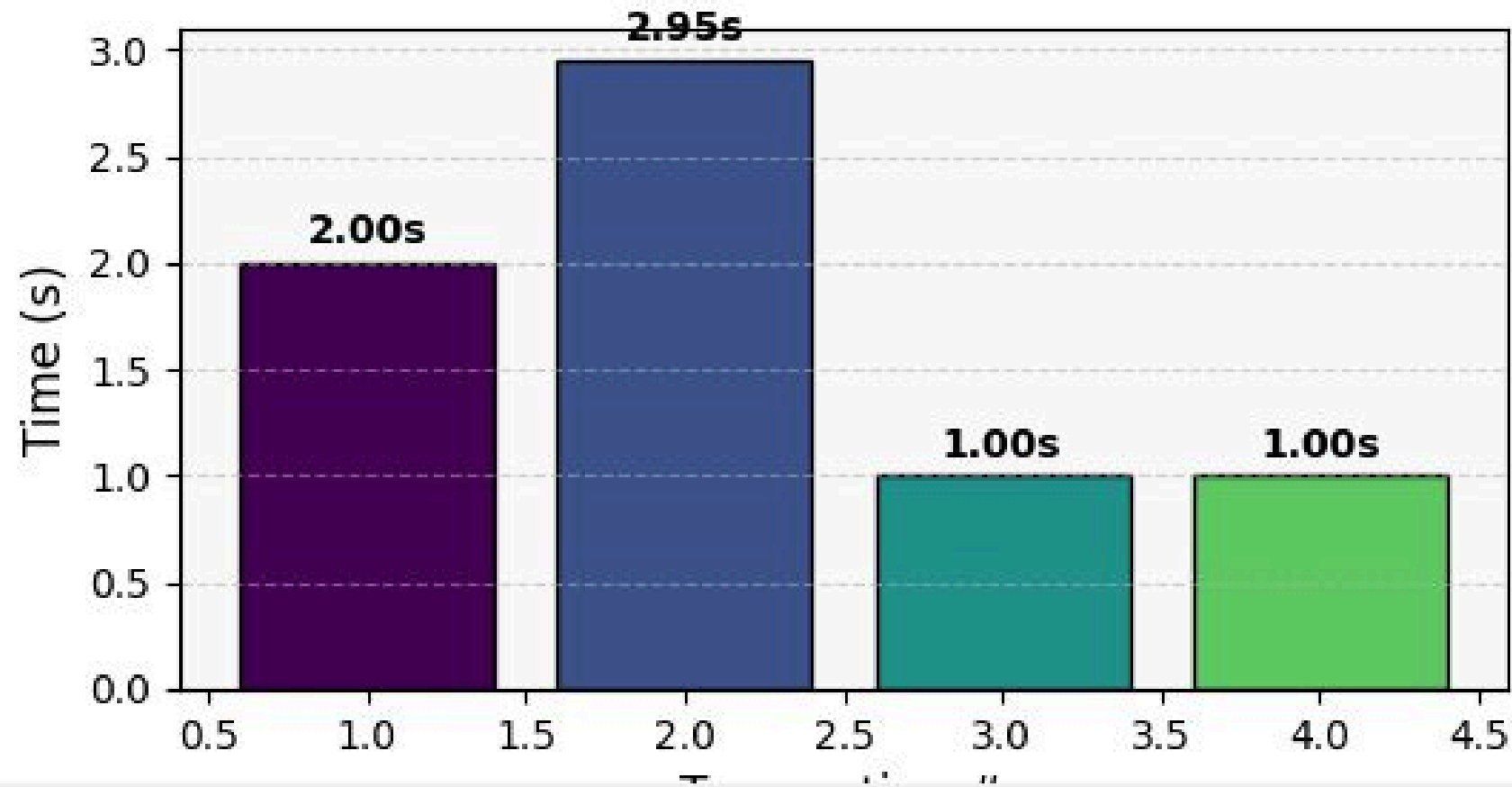


⚠ 2 transaction(s) failed due to deadlock!

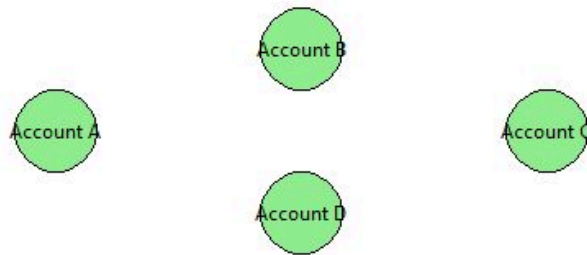
OK

☒ No Deadlock Transactions

Transaction Time Efficiency



## Account Transaction & Deadlock Visual Simulator



Account A [Priority 1] Balance: \$5112.0

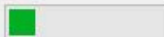
Account B [Priority 2] Balance: \$2999.0

Account C [Priority 3] Balance: \$3691.0

Account D [Priority 4] Balance: \$6198.0

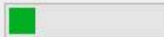
☒ \$345.0 transferred Account D → Account A

233



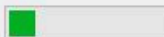
Account A → Account B

234



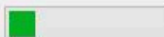
Account B → Account C

543



Account C → Account D

345



Account D → Account A

