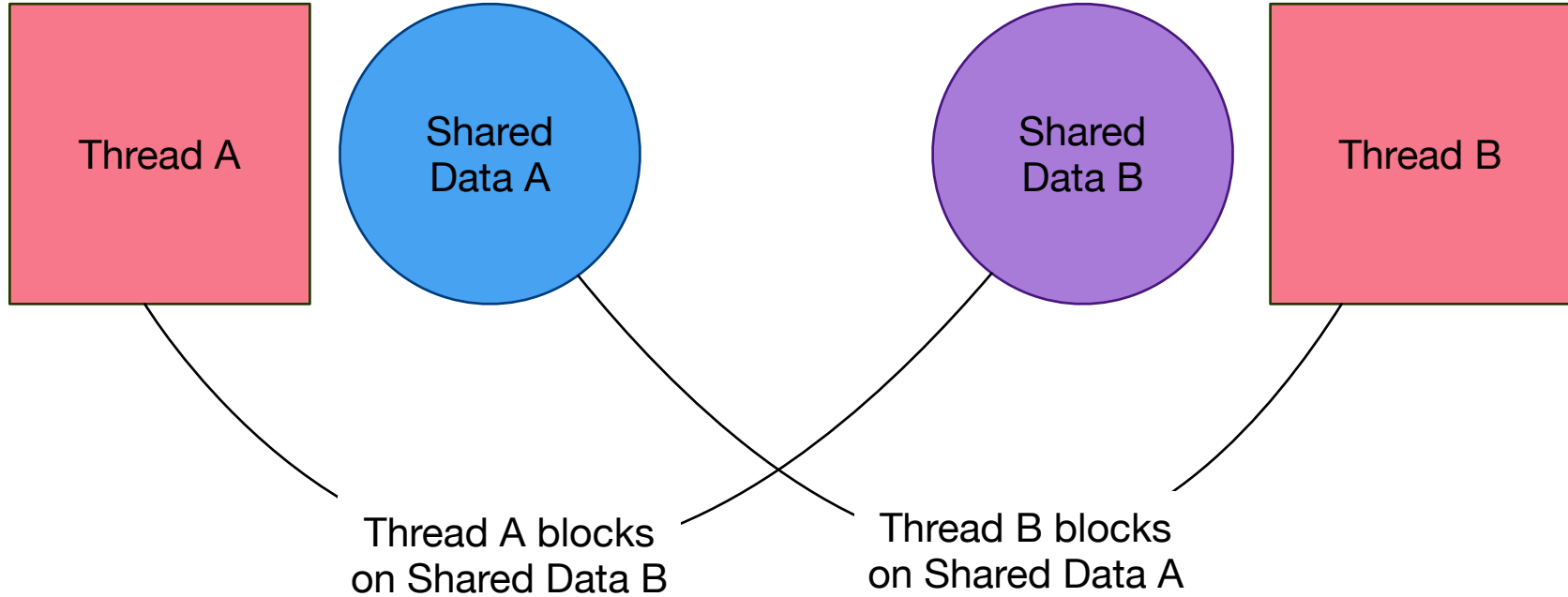Thread A takes a lock on Shared Data A

Thread B takes a lock on Shared Data B

Thread A

Shared Data A

Shared Data B

Thread B

Thread A blocks on Shared Data B

Thread B blocks on Shared Data A

Deadlock!