Worksheet: Dynamic Order with Synchronized Statements

Consider a method to transfer a balance from one account to another. Could this result in a deadlock? If not, please explain why not. If so, explain why it can and if there’s a solution to prevent it.

```java
public class IsThereDeadlock {
    public void transferFunds(Account from, Account to, int amount) {
        synchronized (from) {
            synchronized (to) {
                from.subtractFromBalance(amount);
                to.addToBalance(amount);
            }
        }
    }
}
```