

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.

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

