```
1   contract Victim {
2     mapping (address => uint) public balances;
3
4     function withdraw() public {
5       uint amount = balances[msg.sender];
6       //call withdraw again
7       msg.sender.call.value(amount)();
8       balances[msg.sender] = 0;
9     }
10  }
```

(a) The Vulnerable Program

```
1   contract Attacker {
2     ...
3     function () payable {
4       Victim v;
5       v.withdraw();
6     }
7   }
```

Step1: invoke the default callback method in the attacker

Step2: Attacker re-invokes the vulnerable method in the victim

(b) The Attack Program