

Eclipse Attacks - Double Spending

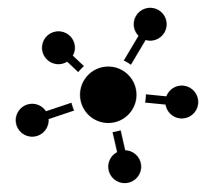
Spending money more than once

TX_{legitimate} - Pays the vendor

TX_{doublespend} - Pays the adversary



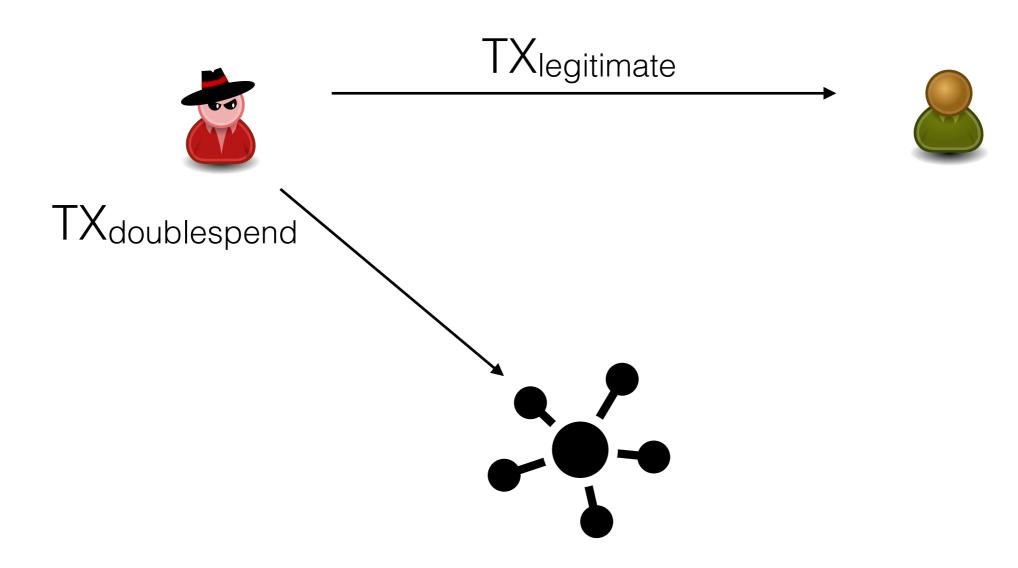


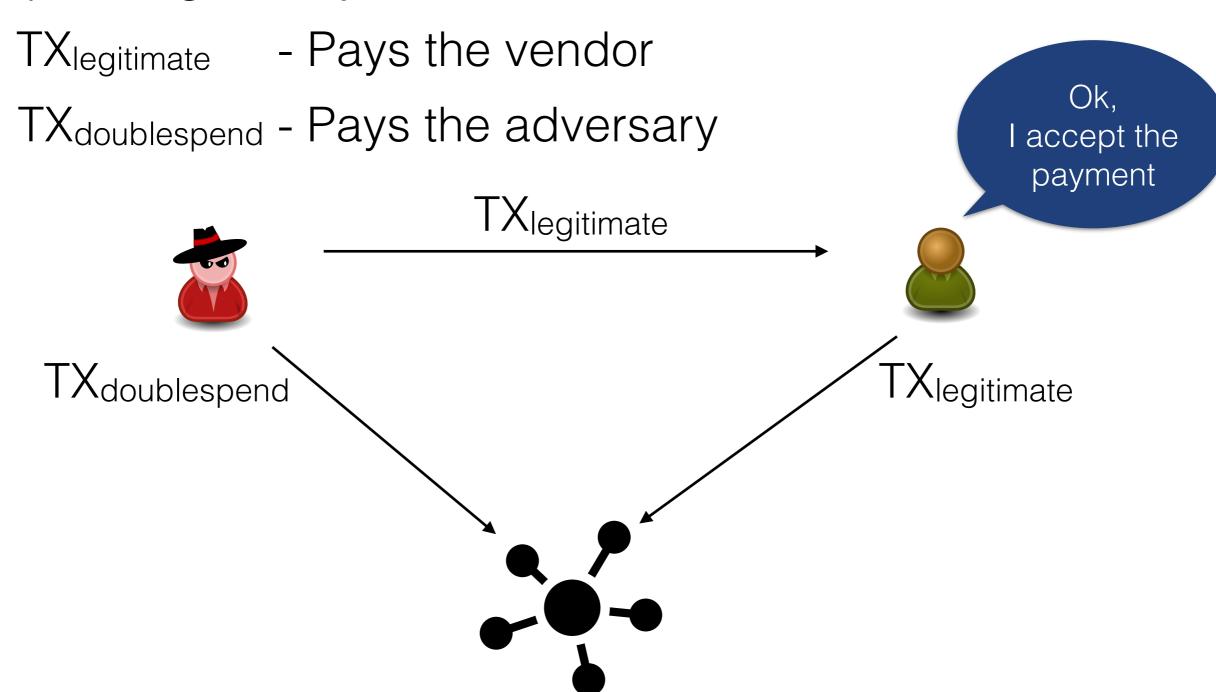


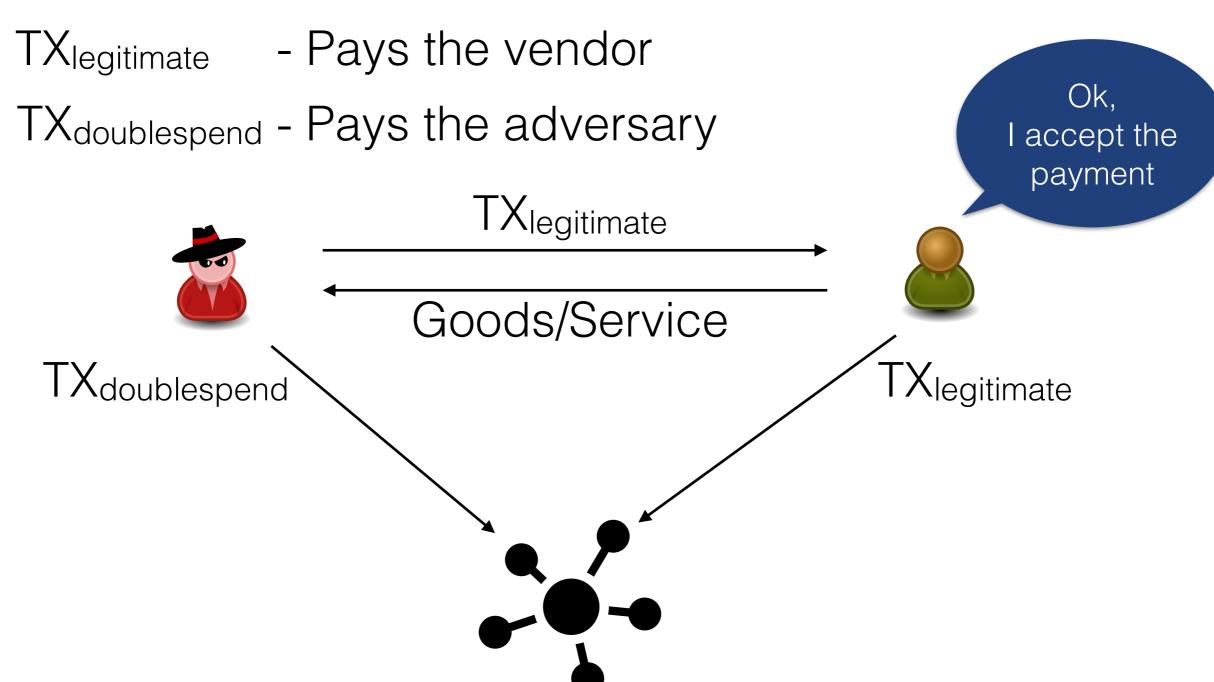
Spending money more than once

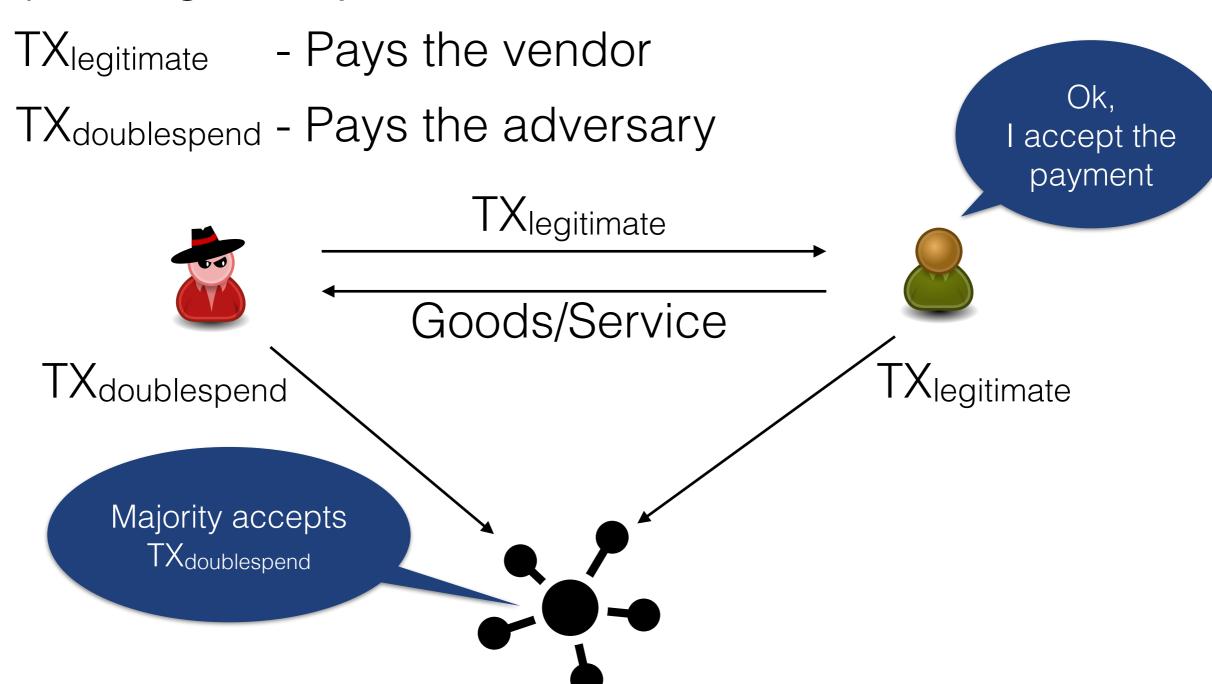
TX_{legitimate} - Pays the vendor

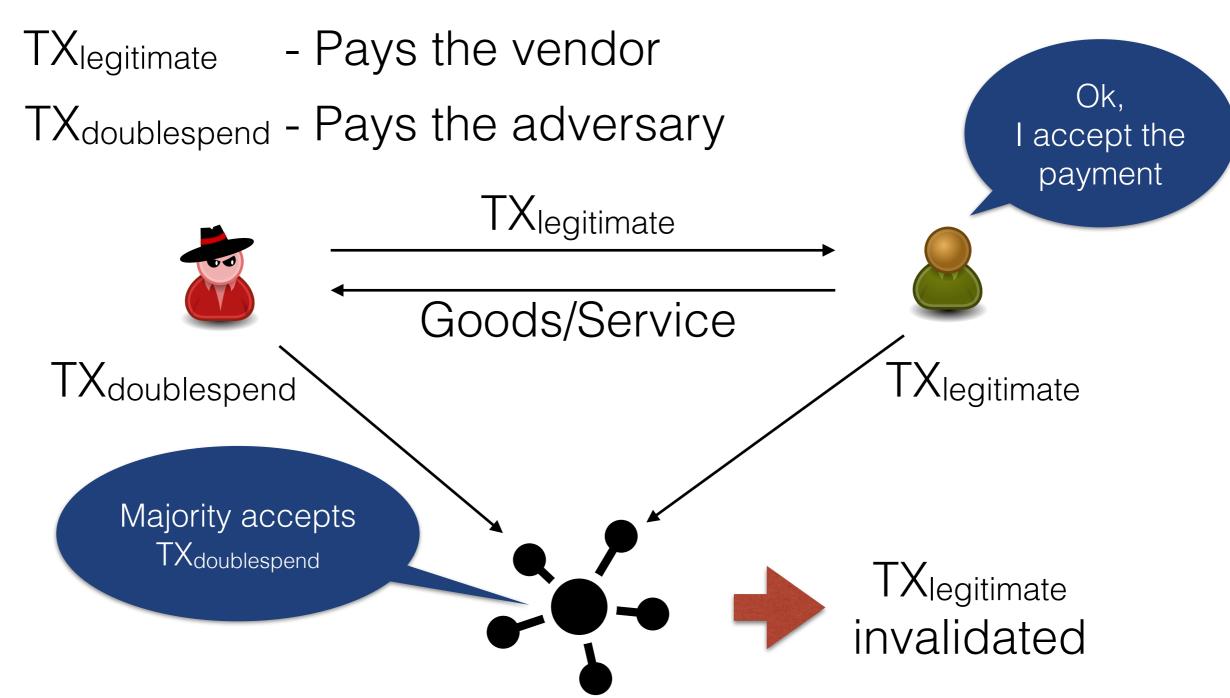
TX_{doublespend} - Pays the adversary



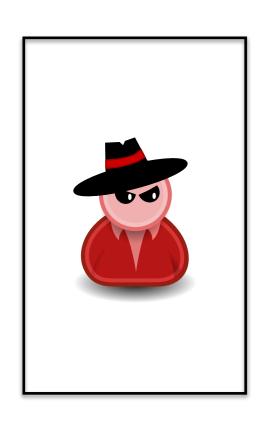






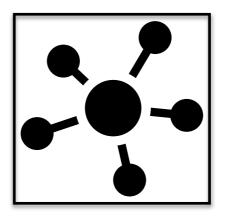


- Very reliable attack
- Regardless of protection (double spend relay)



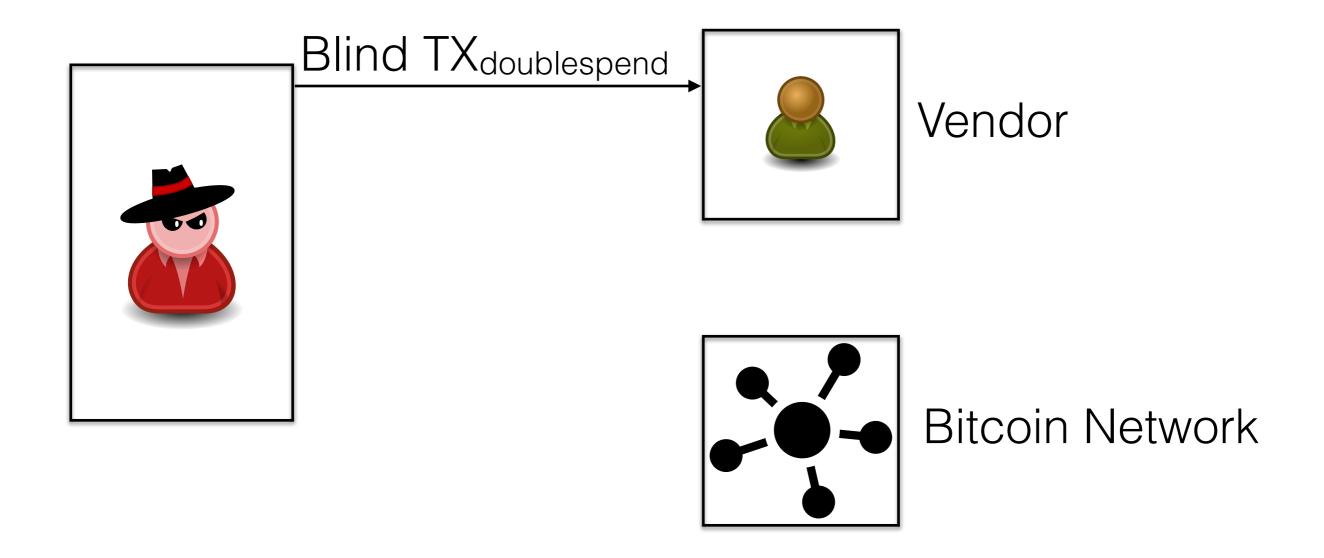


Vendor

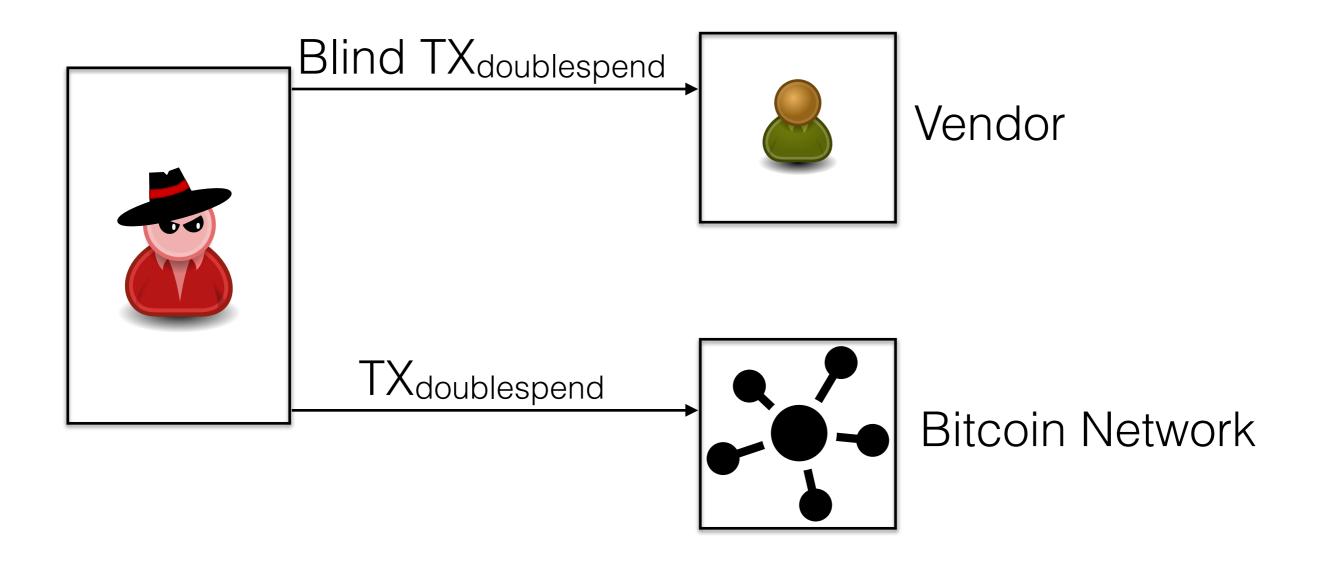


Bitcoin Network

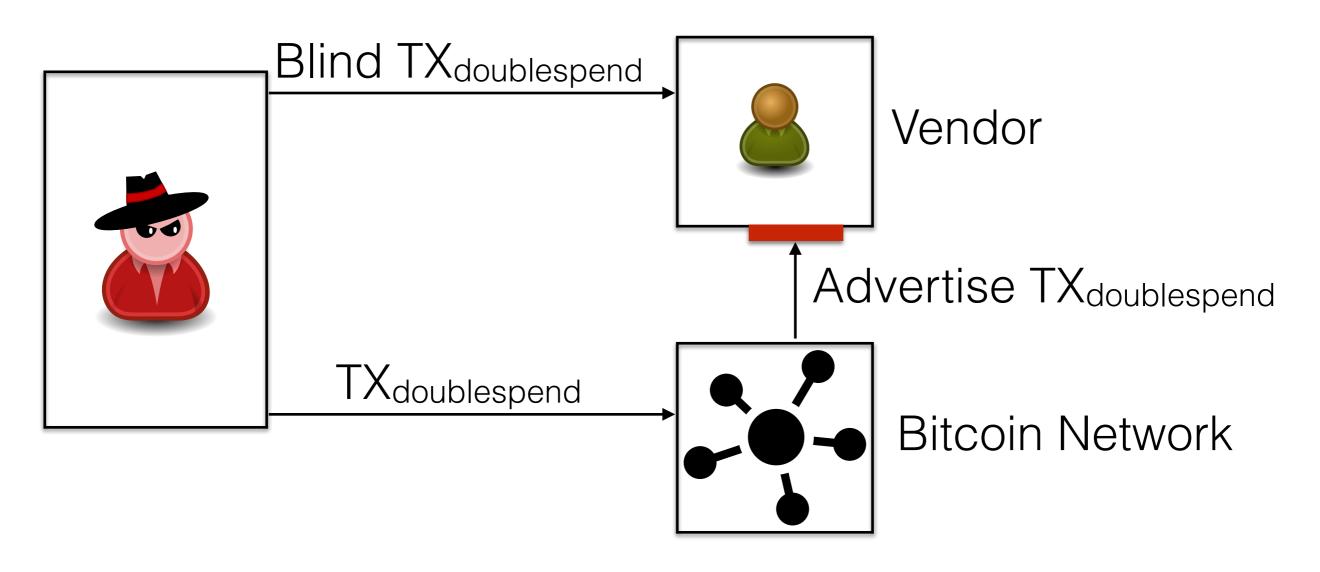
- Very reliable attack
- Regardless of protection (double spend relay)



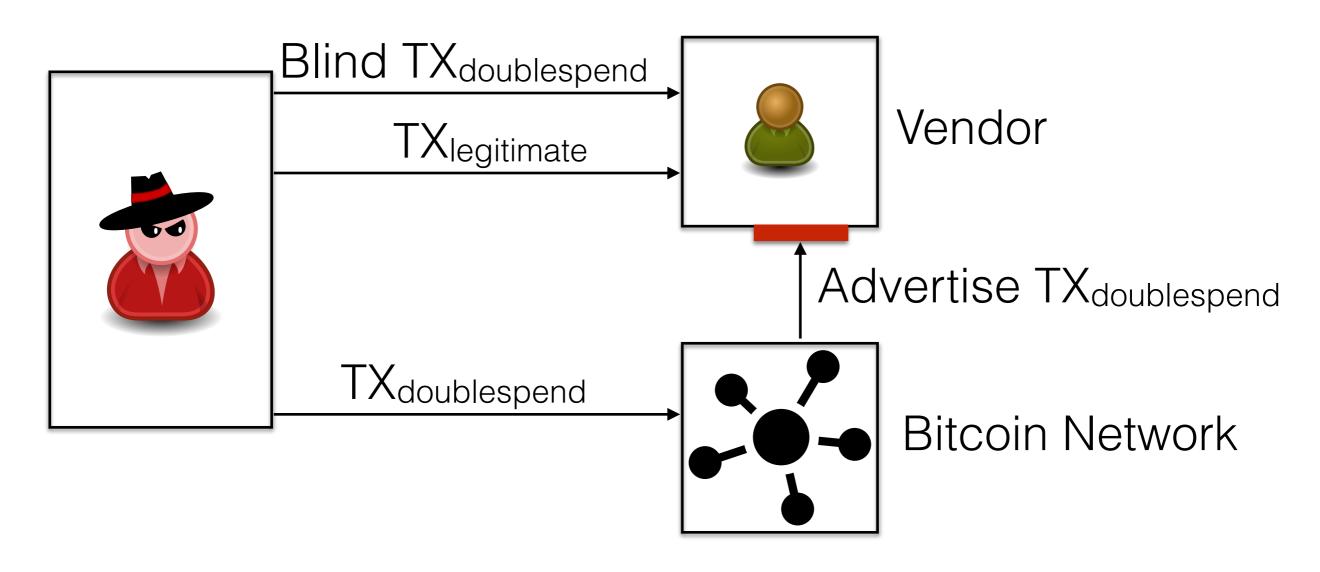
- Very reliable attack
- Regardless of protection (double spend relay)



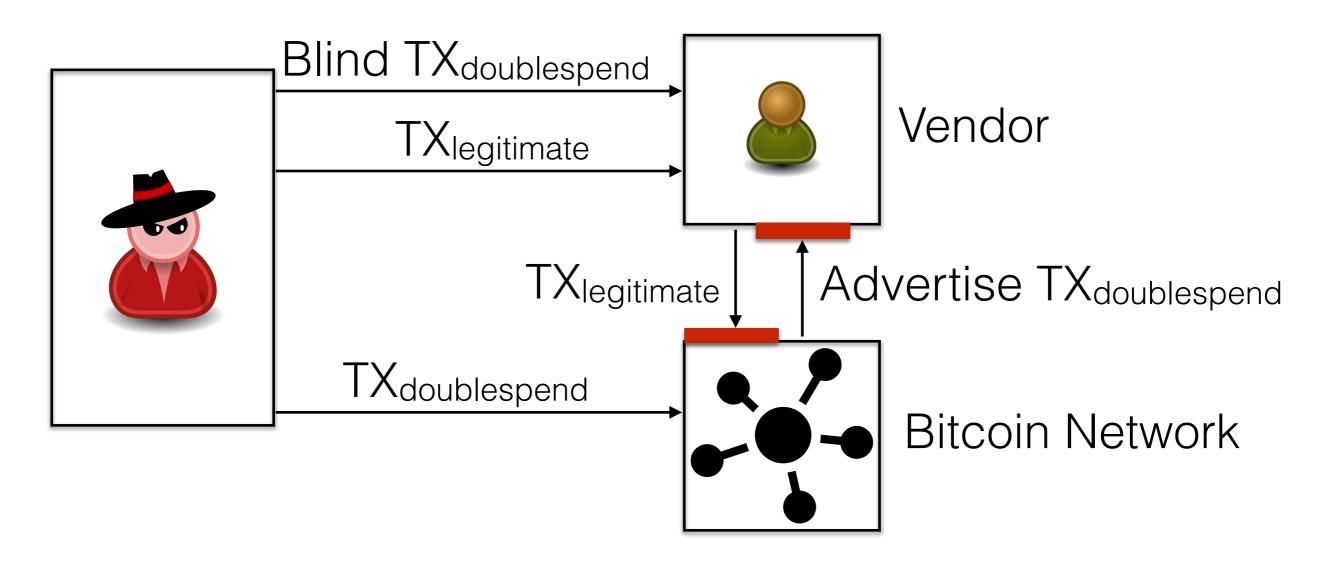
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Implications - Double Spending 1 Confirmation Transactions

