Discussion Week 6

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▼ Mining Pools: What are the differences between a pay-per-share and
proportional payout scheme? Are proportional mining pools feasible in practice?
Why or why not? Can you think of any other mining pool strategies to increase your
mining profit?

▽ Double Spend Attack: How could Alice double spend on Bob?

▽ Selfish Mining: Is selfish mining always optimal? Can we improve upon this strategy?

▽ Confirmations: What purpose do they serve? As a coffee shop owner, is it necessary to wait for 6 confirmations before giving someone their coffee? What kinds of goods would require confirmations to be important?



Group Activity

∇ Get started on your homework! Form groups and brainstorm a few ideas on how
to attack Bitcoin as a malicious actor. Discuss how your idea works or doesn't work.
What goal does this attack achieve? How does it achieve that goal?
Optional/Bonus: What are some defenses that can be put in place to prevent your
attack?

