

Homework 8

1. **(Optional)** How can the hardness of the proof-of-work puzzles in Bitcoins be adjusted? What is parameter that determines how the hardness is adjusted?
2. **(Optional)** What is the main data that is stored in Bitcoin's blockchain?
3. **(Optional)** What is the purpose of the proof-of-work puzzle in Bitcoins?
4. **(Optional)** The department has large labs full of computers that are pretty much idle over night. Why is it a bad idea to let them mine for Bitcoins?