Mobile Communications Problem Set 4

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- 1. Are MAC protocols from wired networks suitable for wireless networks? Explain your answer
- 2. Explain the hidden terminal problem and provide a possible solution to it.
- 3. Explain the exposed terminal problem.
- 4. We revisit the CDMA decoding example from the lecture with two senders A and B. Assume a third station that is called C is tapping the channel. However, C does not have the codes for A and B. Station C uses the random code "--+" and tries to decode any of the transmitted bit streams from A or B. What does C decode? Is it possible for C to correctly decode the signals for A and B?