Due: May 1

1. Exercise 5.4.
2. Problem 5.22.
3. Problem 5.23.
5. Problem 5.25.
6. Problem 5.27.
7. Is it possible to \( m \)-reduce \( EQ_{TM} \) to \( A_{TM} \)? Explain your answer.
8. Is it possible to \( m \)-reduce \( ALL_{CFG} \) to \( ALL_{DFA} \)? Explain your answer.