Today  Space complexity. §§8.*

Next class  Synthesis of earlier material.

1. List the members of your group below. Underline your name.

2. Prove or disprove each as best you can, where

\[ \text{\textit{ALL}}_{\text{NFA}} = \{ (A) \mid A \text{ is an NFA and } L(A) = \Sigma^* \} \]

\textit{\text{ALL}}_{\text{NFA}} \text{ is in (a) PSPACE, (b) PTIME, (c) NP, (d) coNP.}
3. Determine which player has a willing strategy for the following instance of generalized geography (GG) and explain your answer.

4. Construct a GG instance that has a winning strategy for the first player and explain your answer. Repeat for an instance that has a winning strategy for the second player. Use instances of around 8–12 vertices.