

Topics in Communication Complexity
Assignment # 1
Due: Monday April 28, 2025, 11:59pm

1. Pick one topic that was presented in class where you did not have an role in the presentation, so you were not the Main Presenter (MP), or Supporter (S) or Reviewer (R). In your own words, please give a short review of the paper and presentation. The review should be approximately one page long, and should touch on each of the following four points:
 - (a) Summary: Give paragraph summary of the paper(s) being presented.
 - (b) Pros: Give a one paragraph explanation of what you liked about the topic and the presentation.
 - (c) Cons: What were the limitations of the result?
 - (d) Feedback: What did you like about the presentation itself? Give one or two suggestions for improvement in the presentation.
2. Now pick one topic where you had a role in the presentation, as either MP, S or R. In your own words, write a one-page review of the paper and of your groups presentation, touching on each of the four points as described in Question 1.
3. technical question
4. technical question
5. discuss a research problem that you are interested in and that you think may be connected to communication complexity, or information theory more broadly. This is an open-ended problem to give you a chance to explore your own research topic and to try to make connections with communication or information complexity.