

Topics in Computational Social Choice 2026:

Exercise Sheet #3

Théo Delcmazure and Ulle Endriss
Institute for Logic, Language and Computation (ILLC)
University of Amsterdam

Instructions. Write at most one page of text and then email your solutions as a PDF to both instructors no later than **11:00 on Friday, 9 January 2026**. You are free to discuss this assignment with others and to make use of additional resources in any way that seems reasonable. Always include a short paragraph in which you document what outside help you received and what sources of information you consulted (if any).

The intended workload for this exercise sheet is around two hours of concentrated work.

Exercise 1. For $n = 2$ voters and $m = 3$ alternatives, there exist exactly 17 different voting rules that are resolute and strategyproof. Briefly describe all of them.