

Note: There is only one exercise sheet for the 4th tutorial.

1. Solve exercise 23.B.4 in Mas-Colell, Whinston and Green [MWG].
2. Solve exercise 23.C.11 in MWG.
3. Solve exercise 23.C.8 in MWG.
4. Solve exercise 23.C.9 in MWG.
5. Solve exercise 23.C.10 in MWG.

Assume throughout the exercise that (23.C.8) is a necessary condition for (k^*, t_1, \dots, t_I) to be truthfully implementable in dominant strategies. In part c insert "implementable" before "ex post efficient social choice function" and suppose that $V_i(\theta_{-i})$ is I times continuously differentiable for each i .