

Econ 3120/4120 - Maths 2, spring 2013, UiO

Problem set 9 (Week 17: 23.04 and 25.04)

P1. From the Compendium (link):

Problem 2 (In addition, do part (c) as a Kuhn–Tucker problem.)

Problem 19 (In addition, do part (c) as a Kuhn–Tucker problem.)

Problem 30 (You solved this by Lagrange. Replace “=” in the constraint by “ \leq ”.)

Consider only the maximization problem, and use your calculations from the Lagrange problem to check which points satisfy the Kuhn–Tucker conditions.)

P2. Problem 4 from Exam of Spring 2008 (link_2)

P3. Problem 1 from Exam of Spring 2010 (link_3):

In part (b), do also

(i) state the Kuhn–Tucker conditions associated to the problem.

(ii) check whether they are satisfied by any point on the axes.

P4. Problem 4 from Exam of Autumn 2010 (link_4):

Solve the Kuhn–Tucker problem (K).

P5. Problem 1 from this old problem set (link_5)