Problem set 5 – ECON 4921, November 2, 2009

- 1) How would you describe the main building blocks of Moene's theory of bureaucracy? Discuss.
- 2) Consider a model where the bureau head cares about U(X,Z), where X is size, Z=B-C(X) is budgetary slack, B is the budget, and C(X) is minimum cost of X. Society's willingness to pay for X is W(X). Let Xa be social optimum defined by W'(Xa)=C'(Xa).
 - a. Let the sponsor (e.g. a local council) decide the budget and the bureau head decide the activity level of the bureau. Show that the level of X is smaller than Xa when the sponsor set the budget, perceiving the bureaus response.
 - b. Let X reflect expansion of existing bureau. The sponsor decide both the budget and the expansion of the bureau, but the bureau has an information advantage. When will there be underexpansion?