

## Problems for seminar on distributive intergenerational justice

ECON4271 Distributive Justice and Economic Inequality — Spring semester 2016  
The problems will be discussed Mon 7 Mar 2016.

Please direct any questions concerning this problem set to Geir B. Asheim  
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### Problem 1

Explain the relevance of *reflective equilibrium* in growth models without (the Ramsey model) and with (the Dasgupta-Heal-Solow model) resource constraints. How can Time-discounted utilitarianism (TDU) be defended in the Ramsey model? Why does not this defense carry over to the Dasgupta-Heal-Solow model?

### Problem 2

- (a) Show that TDU does not satisfy the axioms FA/NDP/HEF.
- (b) Show that the Chichilnisky-criterion does not satisfy the axioms FA/HEF/ST.
- (c) Show that Extended rank-discounted utilitarianism does not satisfy the axioms SEP/SEF.

### Problem 3

What is meant by the Repugnant conclusion and the Very sadistic conclusion. Show that Critical-level generalized utilitarianism (CLU) does not avoid both the Repugnant conclusion and the Very sadistic conclusion (that is, for any critical level, CLU leads to either the Repugnant conclusion or the Very sadistic conclusion).