# Theory of Computation 

Homework 5
Due: 2012/01/03

Problem 1. Show that if $N P \subseteq B P P$ then $N P=R P$. (Hints: It suffices to show $\operatorname{SAT} \in R P$.)

Problem 2. Show that $\mathrm{BPP} \subseteq$ PSPACE .

