

# Exercise Session 7

## Terminating Reliable Broadcast

November 12, 2012

### Problem 1

Can we implement TRB with the eventually perfect failure detector  $\diamond P$ , if we assume that at least one process can crash?

### Problem 2

Show that  $P$  is the weakest failure detector for Group Membership.

*The failure detector  $D$  is weakest for solving some problem  $A$  (e.g., Consensus or NBAC) if  $D$  provides the smallest amount of information about failures that allows to solve  $A$ .*