

Homework 3, Sta 531 Fall 2008

Due 9/12

1. Problem 1.33
2. Problem 1.38 (a) (b) (c)
3. Problem 1.39
4. Problem 1.40
5. Suppose A_i is a sequence of decreasing subsets of S . (must also be in \mathcal{B})
Define $B = \bigcap_{i=1}^{\infty} A_i$.
Show that $P(A_i) \rightarrow P(B)$ as $i \rightarrow \infty$.
(hint: make use the proposition in Homework 1)