

Homework 3

Large Cardinals 2

1. A set A has the Baire property if there is an open set G such that the symmetric difference of A with G is meager. Prove that for every Borel set has the Baire property.
2. Problem 11.8 of Jech, p. 153: Prove that there is a null set of reals whose complement is meager.
3. Prove that every analytic set has the Baire property.