1 Reading

In *A T$_E$Xas Style Introduction to Proofs*, read sections 5.2 and 5.3.

2 Response

Answers to these should be written down and turned in in class.

1. Definition 5.50 is complicated. *After* finishing the section and thinking through the exercises, think about the three conditions—non-trivial, covering, and pairwise disjoint. Can you give examples of sets $\mathfrak{F}$ which have each pair of these conditions, but not the third one?

3 Exercises

You should bring solutions to these to class and be prepared to present them.

1. Exercise 5.54

2. Exercise 5.57

3. Statement 5.65

4 Homework Problems

Due Thursday, April 9th

1. Statement 5.60

2. Statement 5.70

3. Statement 5.72