

# Lecture 15 home work

In preparation for the lecture about file system, read the V6 code carefully. You should have a good idea of the big picture. Answer these questions:

Suppose a program creates a file "foo", writes 1 byte (containing "a") to it, calls close, and the power fails right after the call to `closef()` on line 5854 completes. What are the possible states that the disk is in? More specifically:

- Is there an inode for "foo" stored on the disk? If so, what is its contents?
- Is there a data block for "foo" stored on the disk? If so, what is its contents?
- Is there a directory entry for "foo"? Why? Why not?