

LFS - how to find the inode table?

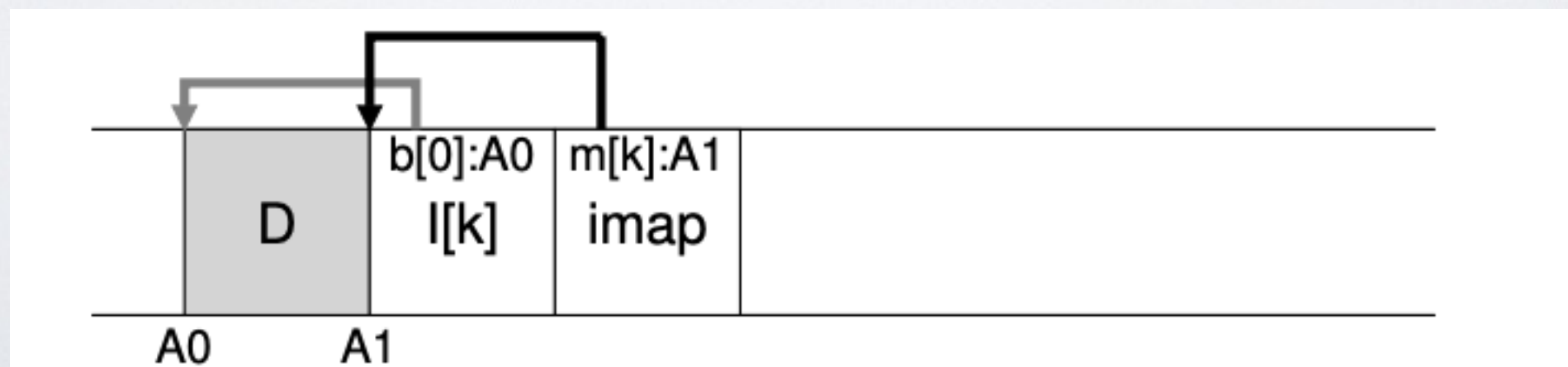
Original Unix File System

the inode table is placed at fixed location

Log-structured File System

the inode table is split and spread-out on the disk

- ➔ LFS requires an inode map (imap) to map the inode number with its location on disk



LFS - how to find the inode map?

The OS must have some fixed and known location on disk to begin a file lookup

- ➔ The check-point region (CR) contains a pointer to the latest pieces of the inode map
- ✓ The CR is updated periodically (every 30 sec or so) to avoid degrading the performances

