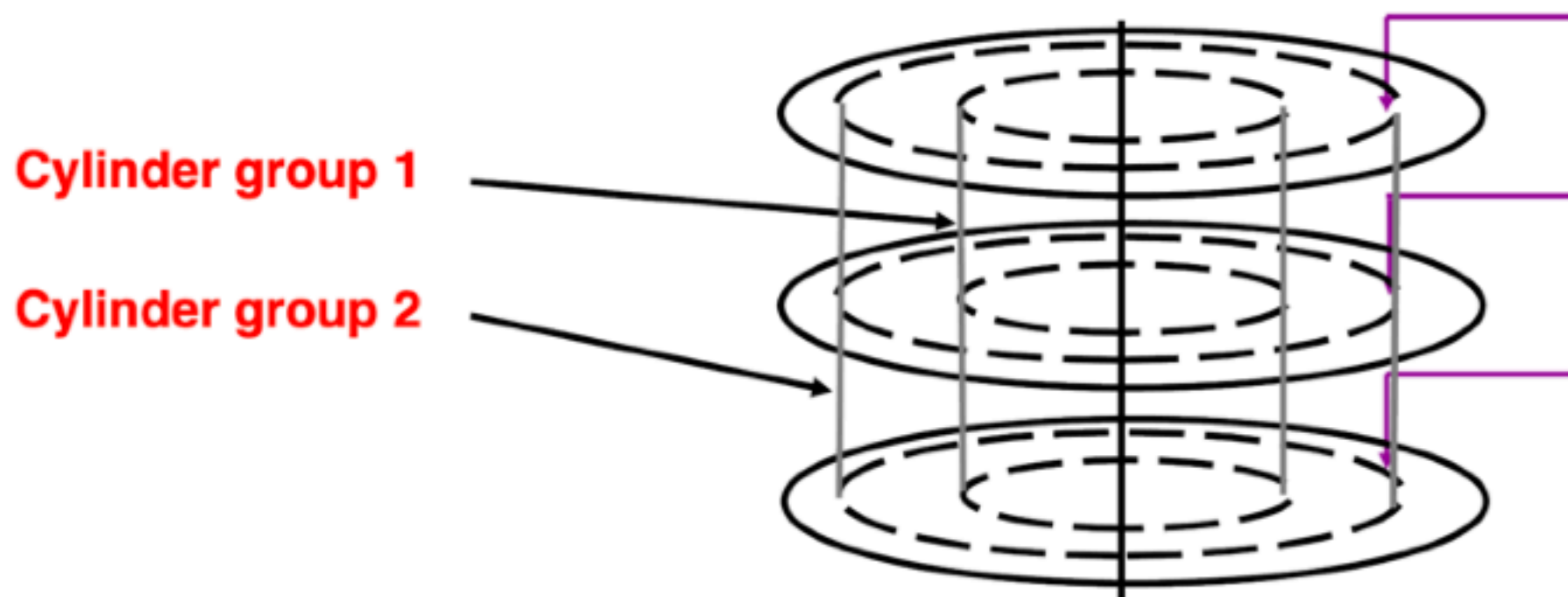


# FFS Solution - Cylinder Group

- ➔ Group sets of consecutive cylinders into "cylinder groups"
  - Can access any block in a cylinder without performing a seek (next fastest place is adjacent cylinder)
  - Tries to put everything related in same cylinder group
  - Tries to put everything not related in different group



# Clustering in FFS

Access one block, probably access next

➡ Let's try to put sequential blocks in adjacent sectors

If you look at inode, most likely will look at data too

➡ Let's try to keep inode in same cylinder as file data

Access one name, frequently access many, e.g., “ls -l”

➡ Let's try to keep all inodes in a dir in same cylinder group