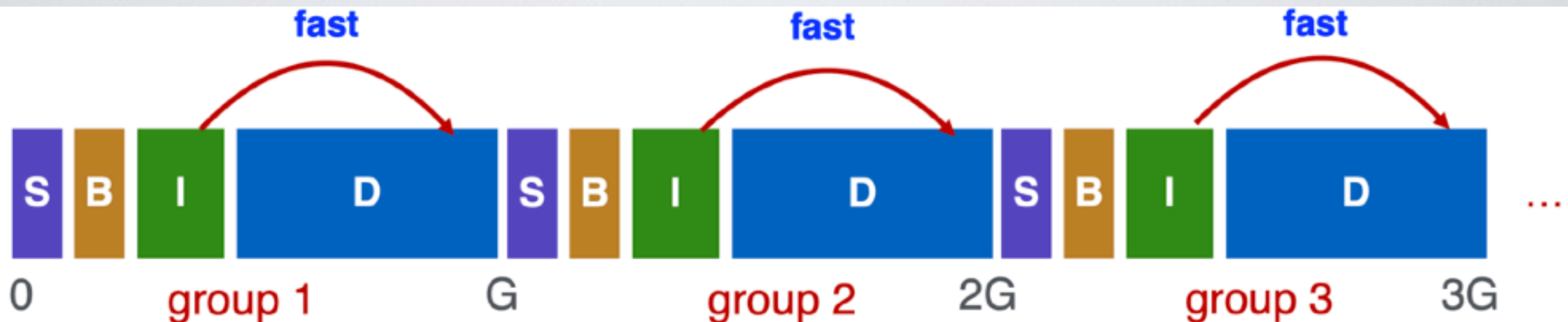# What Does Disk Layout Look Like Now?

How to keep inode close to data block?

➡ Use groups across disks and allocate inodes and data blocks in same group

✓ Each cylinder group basically a mini-Unix file system

Conclusion on FFS

Performance improvements

- Able to get 20-40% of disk bandwidth for large files - 10-20x original Unix file system!

- Stable over FS lifetime

- Better small file performance

Other enhancements

- Long file names

- Parameterization

- Free space reserve (10%) that only admin can allocate blocks from