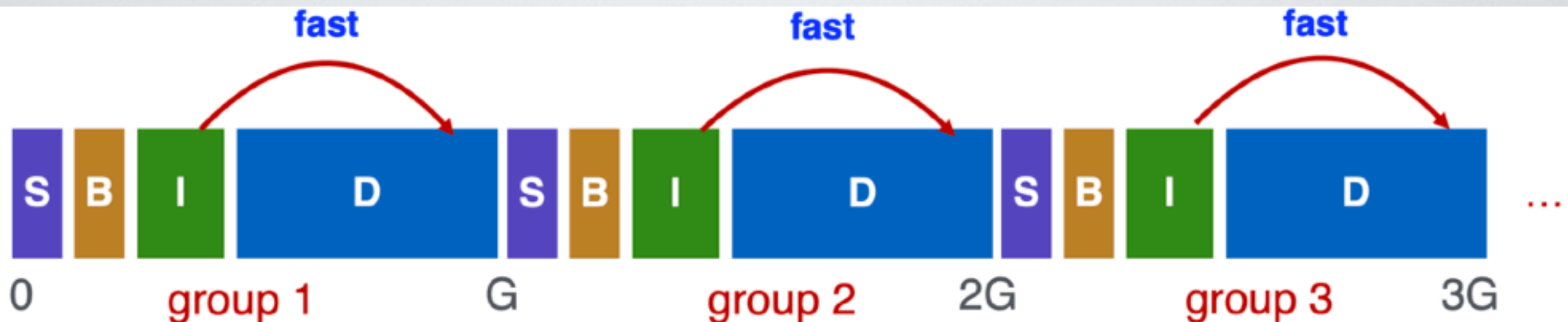


# What Does Disk Layout Look Like Now?



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