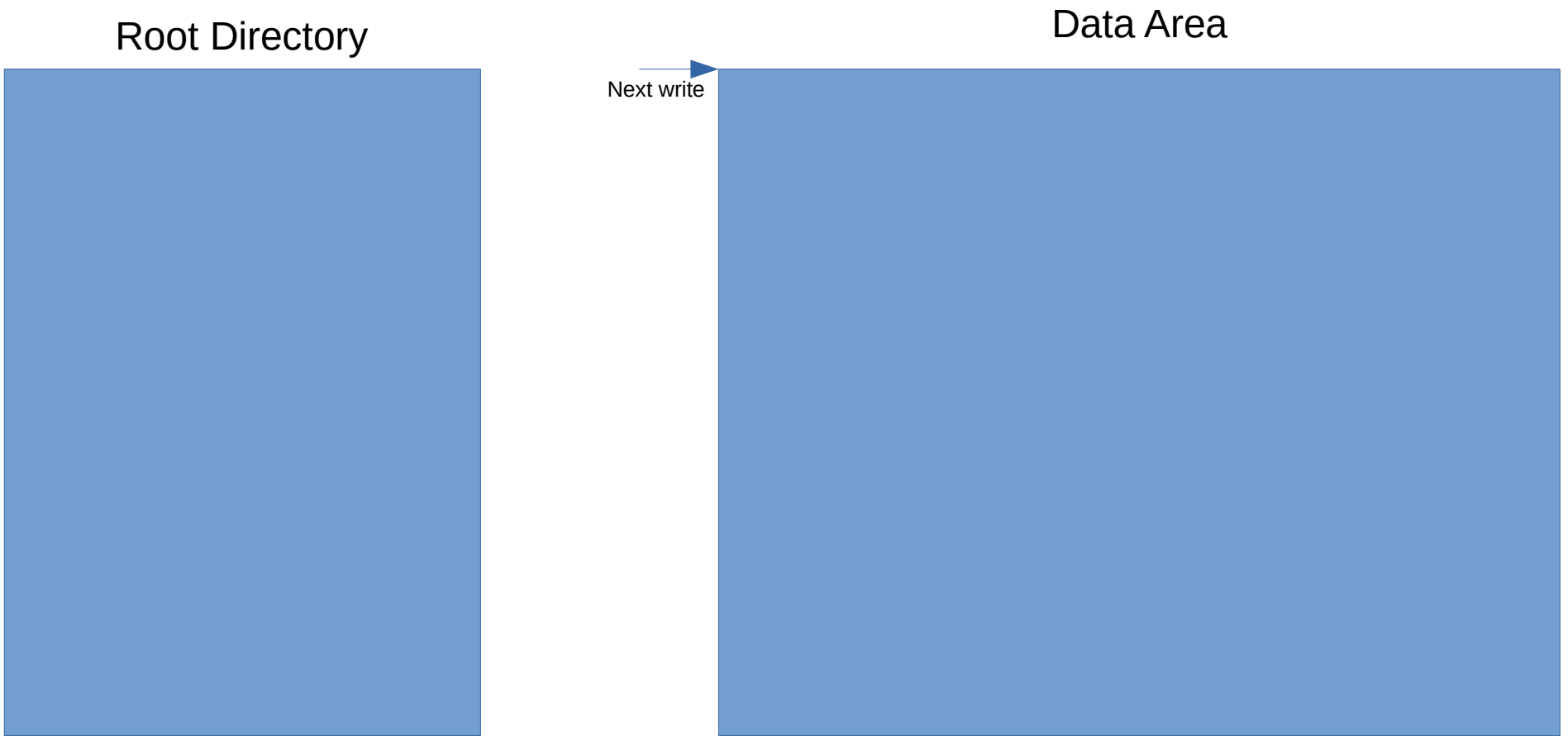
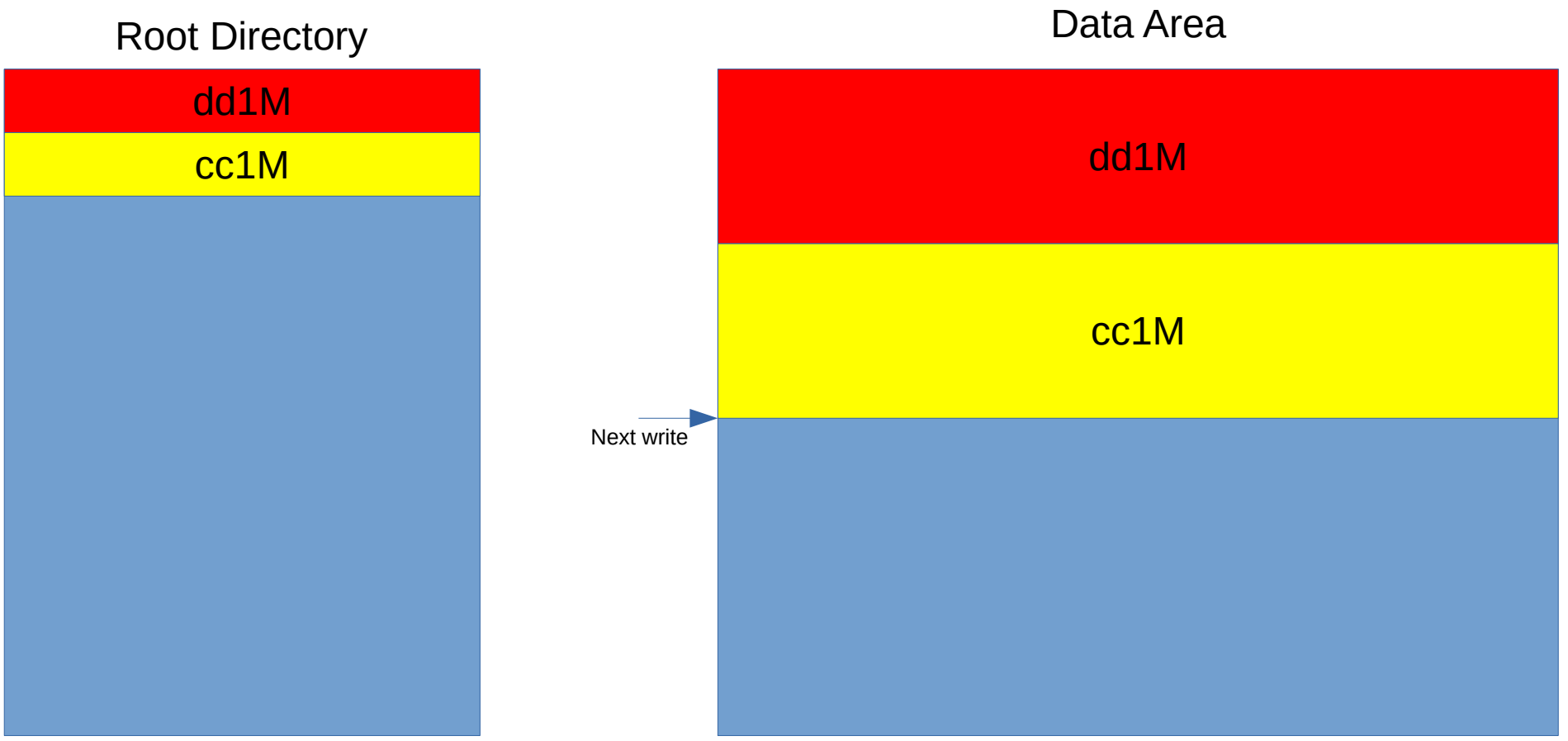
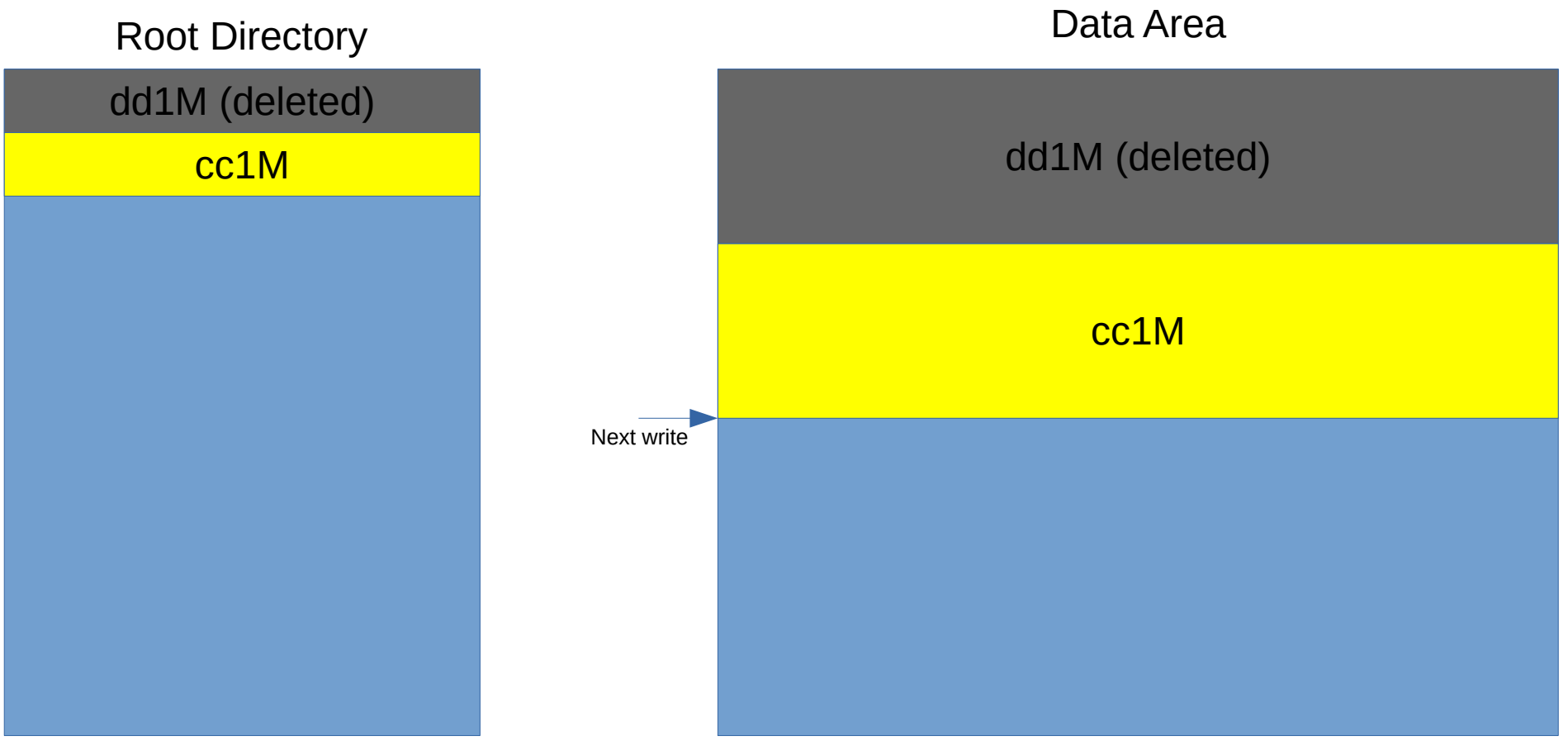
```
> dd bs=1M if=/dev/zero of=/dev/sda4
> mkfs.fat /dev/sda4
> mount /dev/sda4 /mnt
```



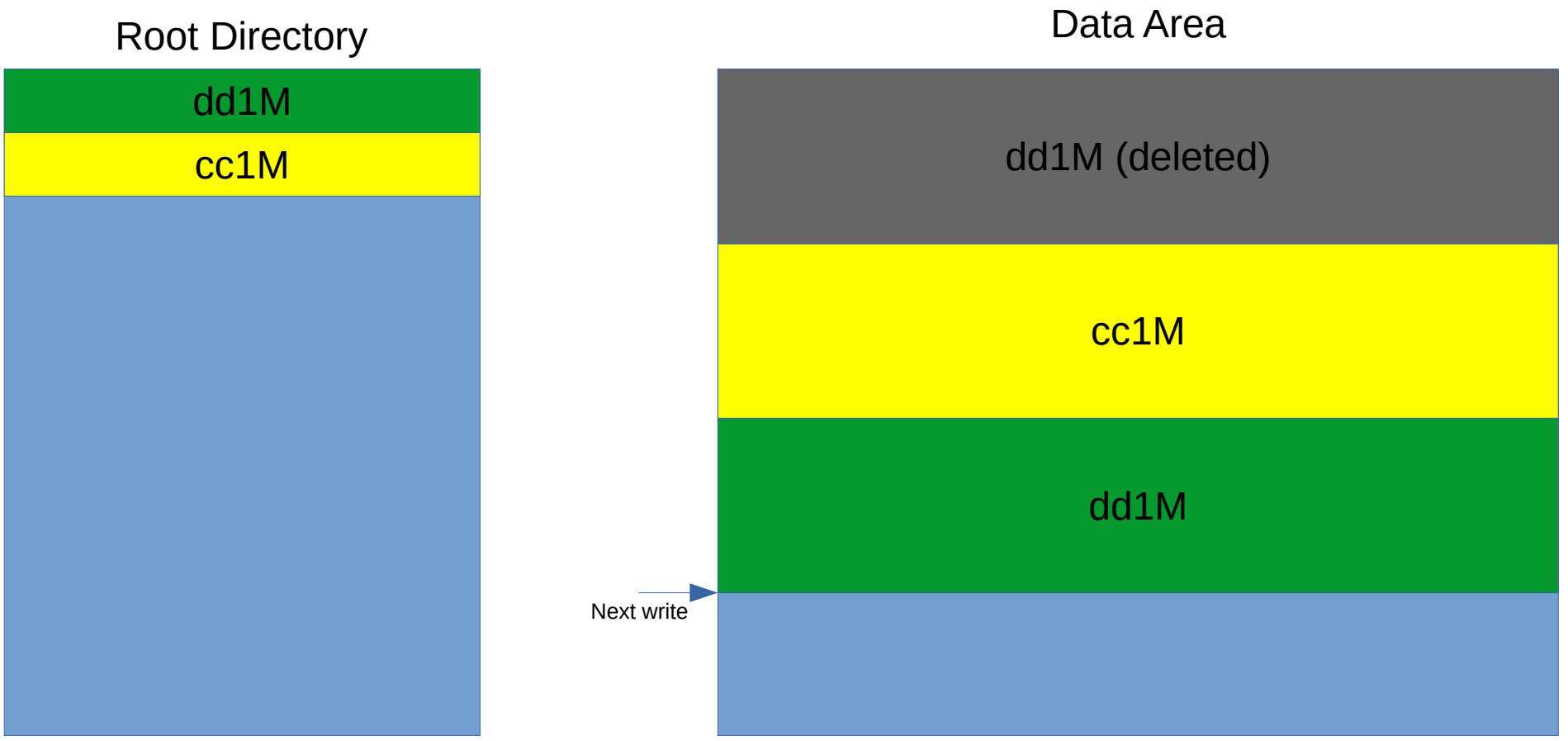
```
> cp test_files/dd1M /mnt
> cp test_files/cc1M /mnt
> sync
```



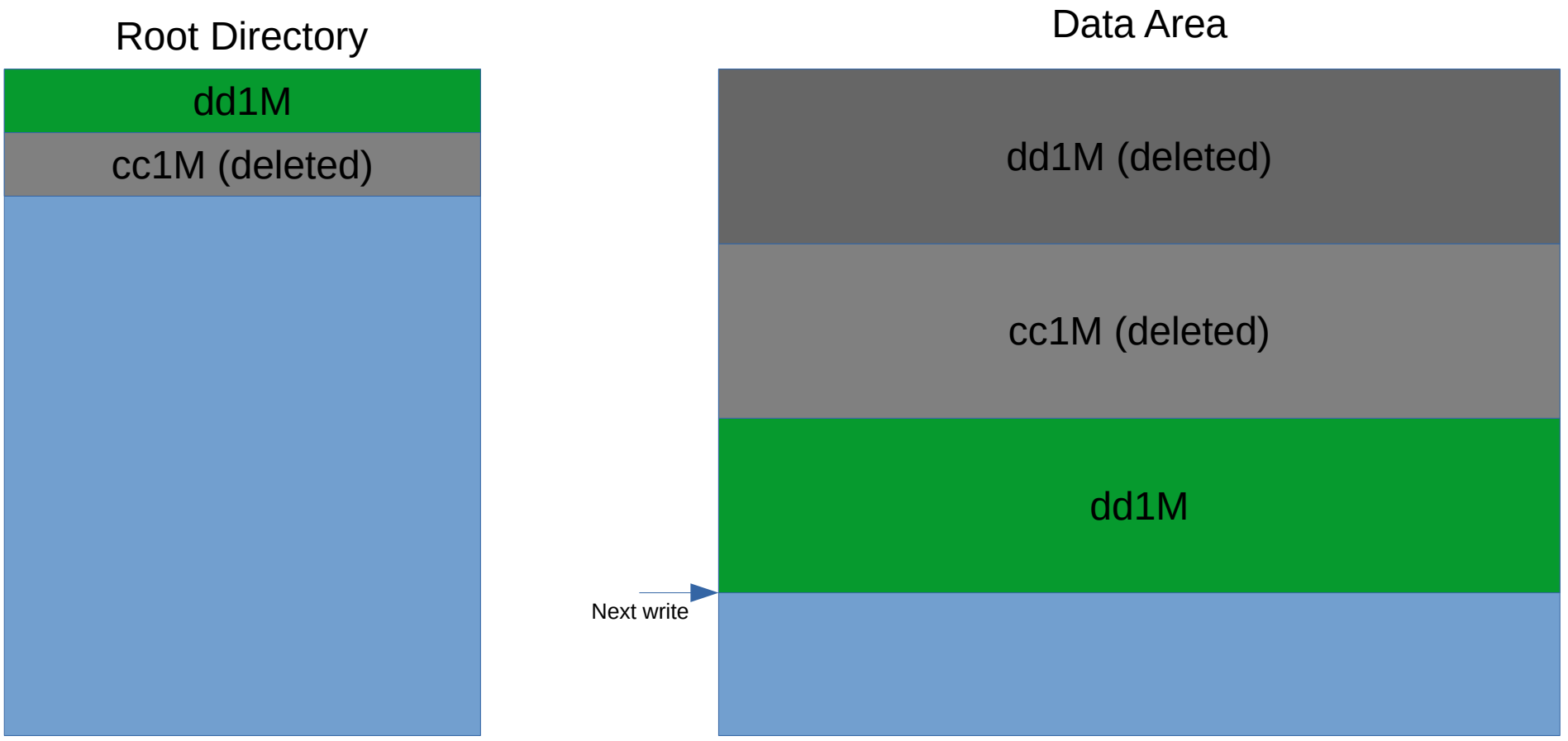
```
> rm /mnt/dd1M
> sync
```



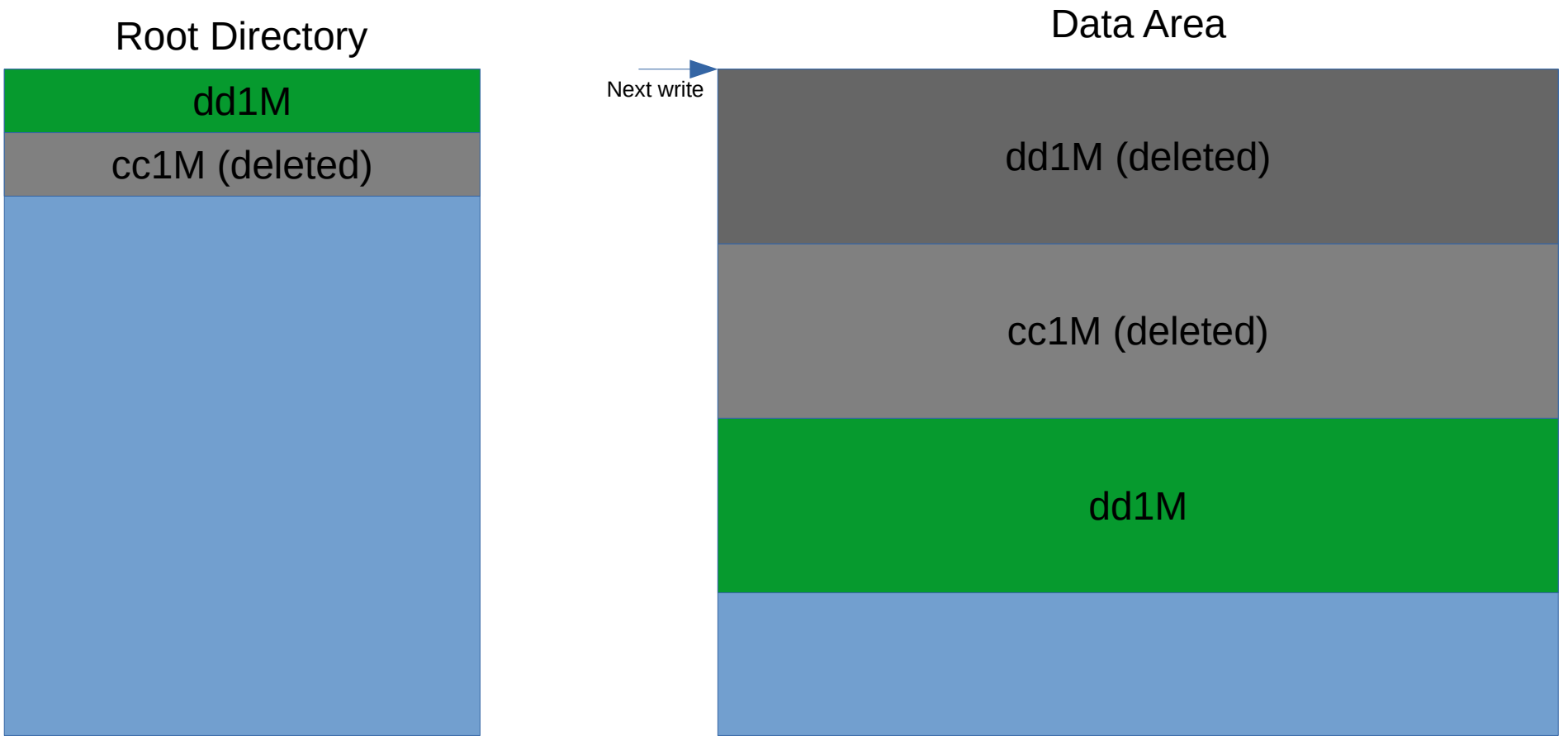
```
> cp test_files/dd1M /mnt
```



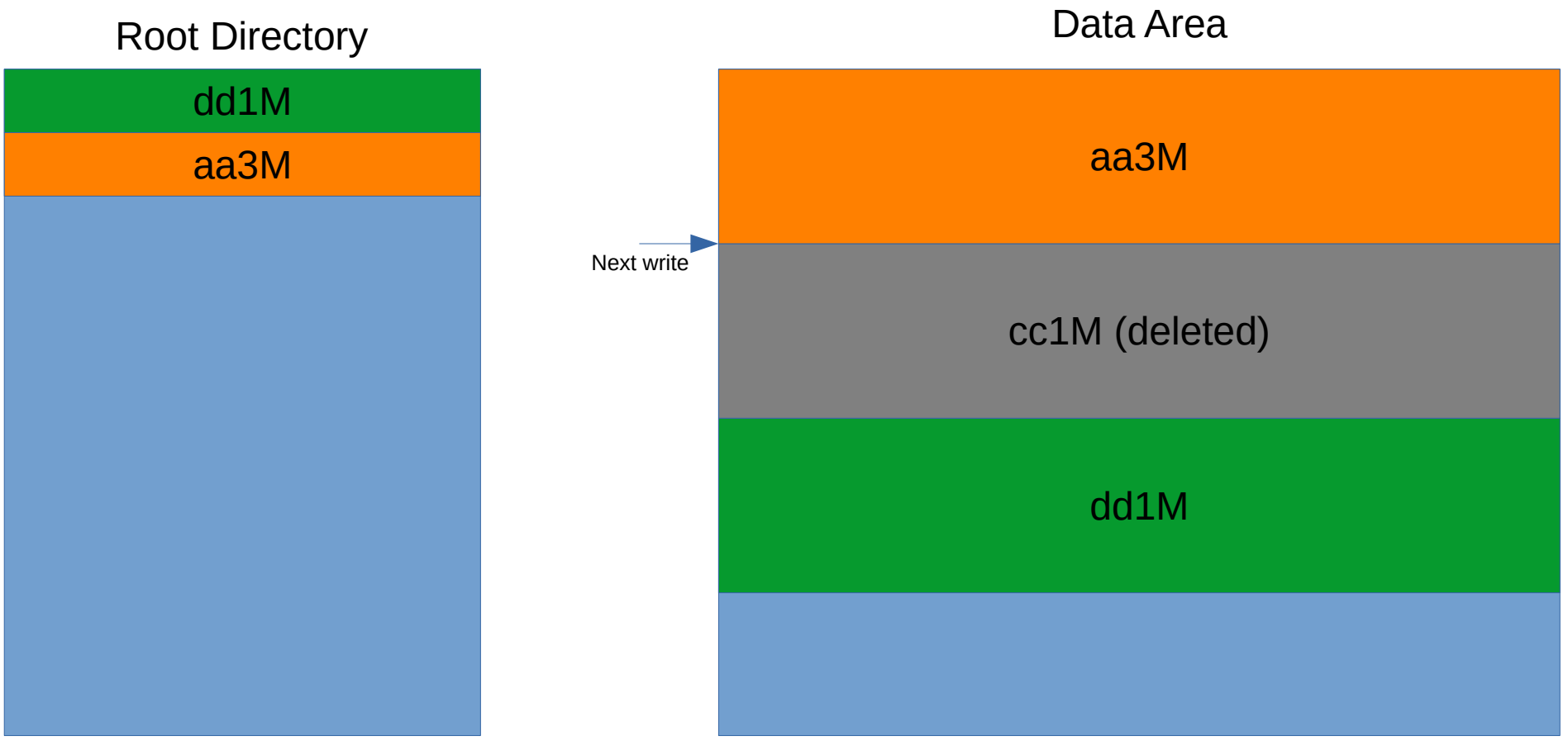
```
> rm /mnt/cc1M
```


Root Directory
dd1M
cc1M (deleted)
Data Area
dd1M (deleted)
cc1M (deleted)
dd1M
Next write

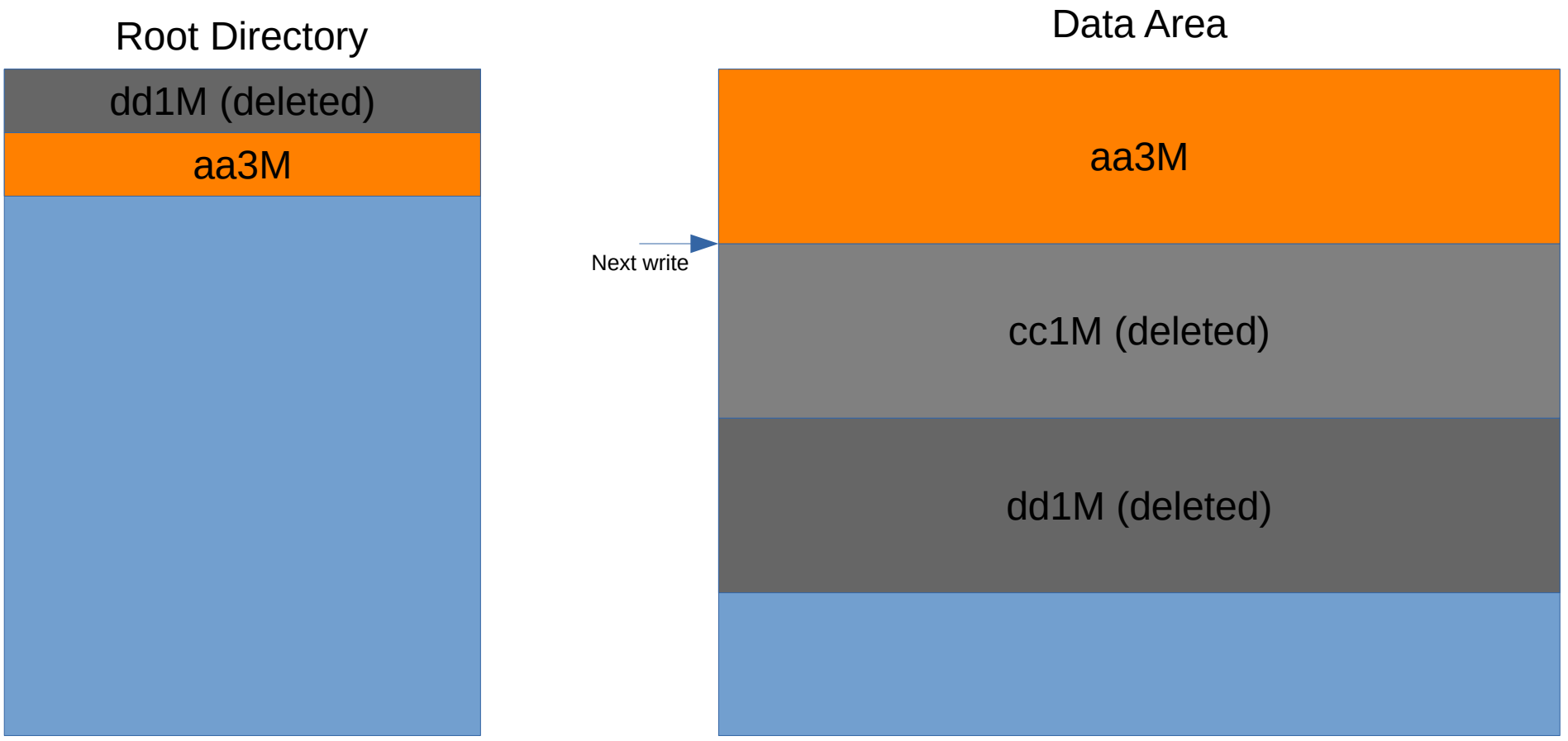
```
> umount /mnt
> mount /dev/sda4 /mnt
```



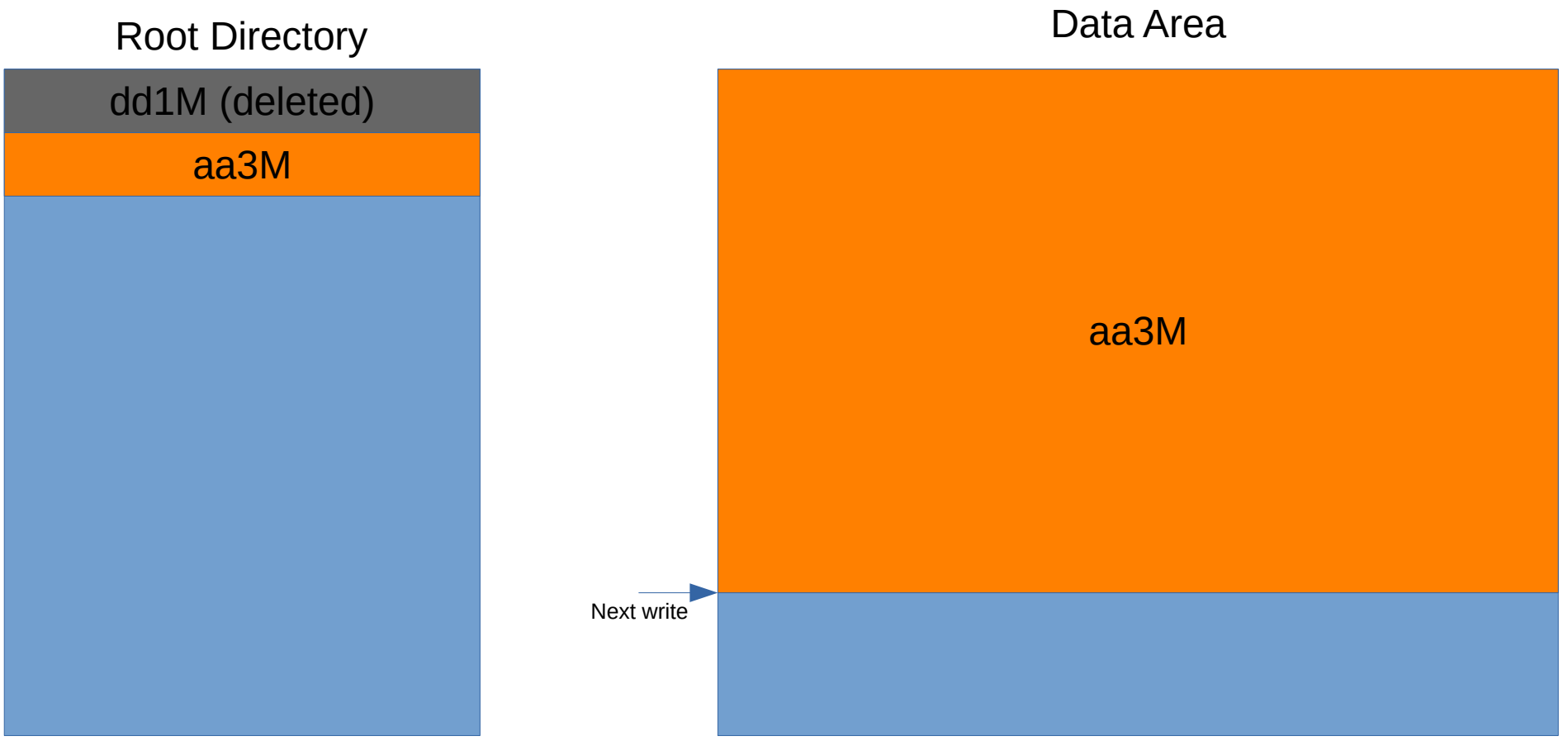
```
> cp test_files/aa1M /mnt/aa3M
```



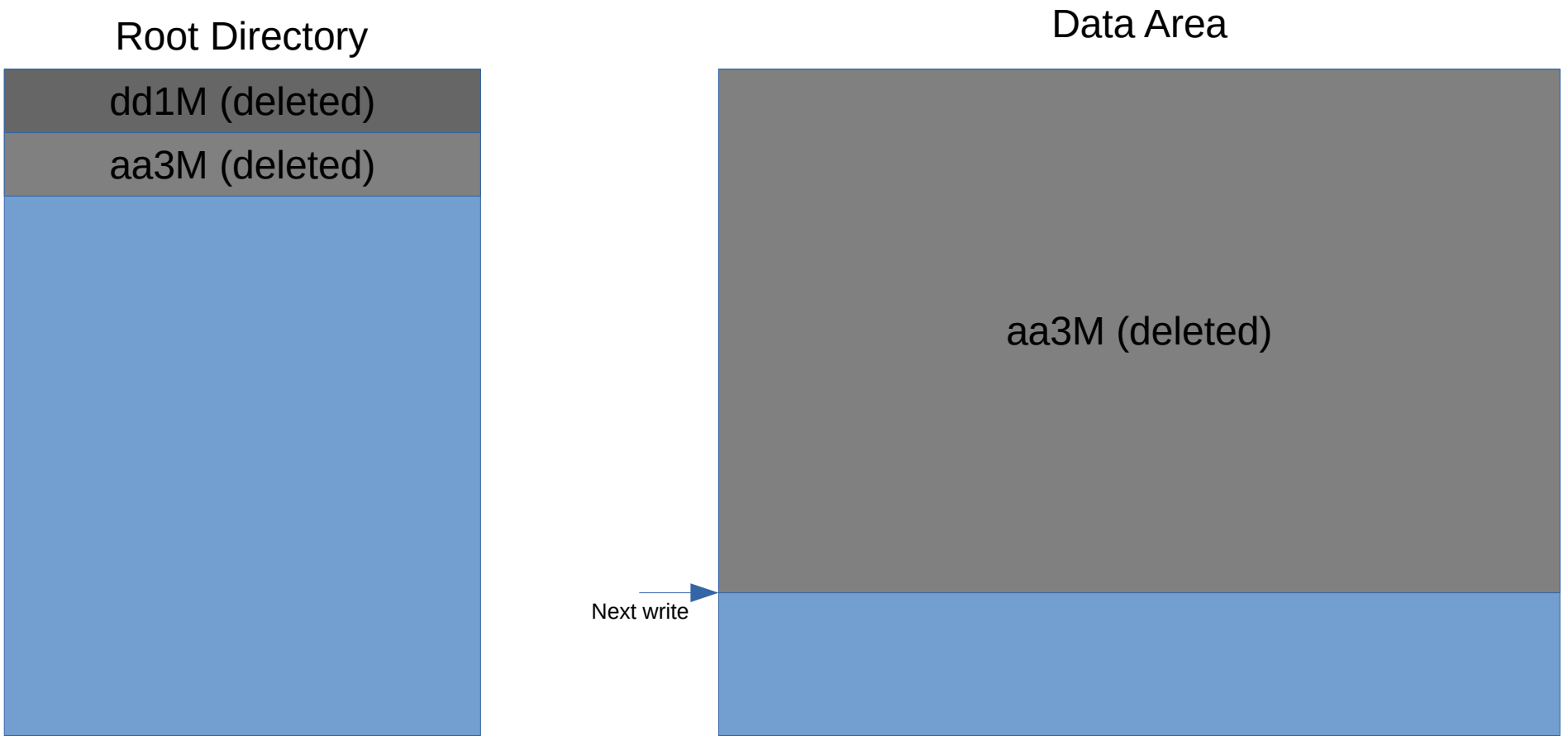
```
> rm /mnt/dd1M
> umount /mnt
> mount /dev/sda4 /mnt
```



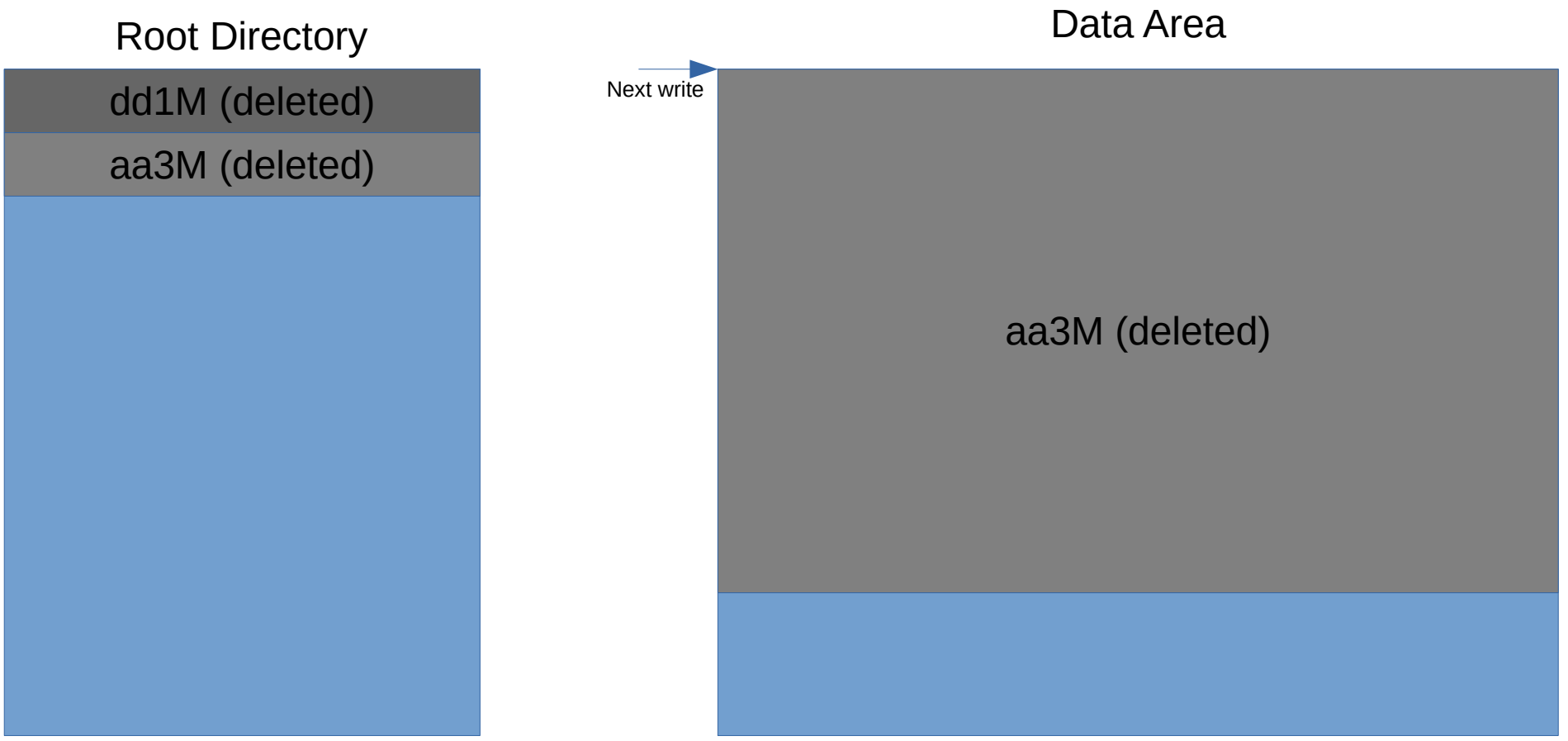
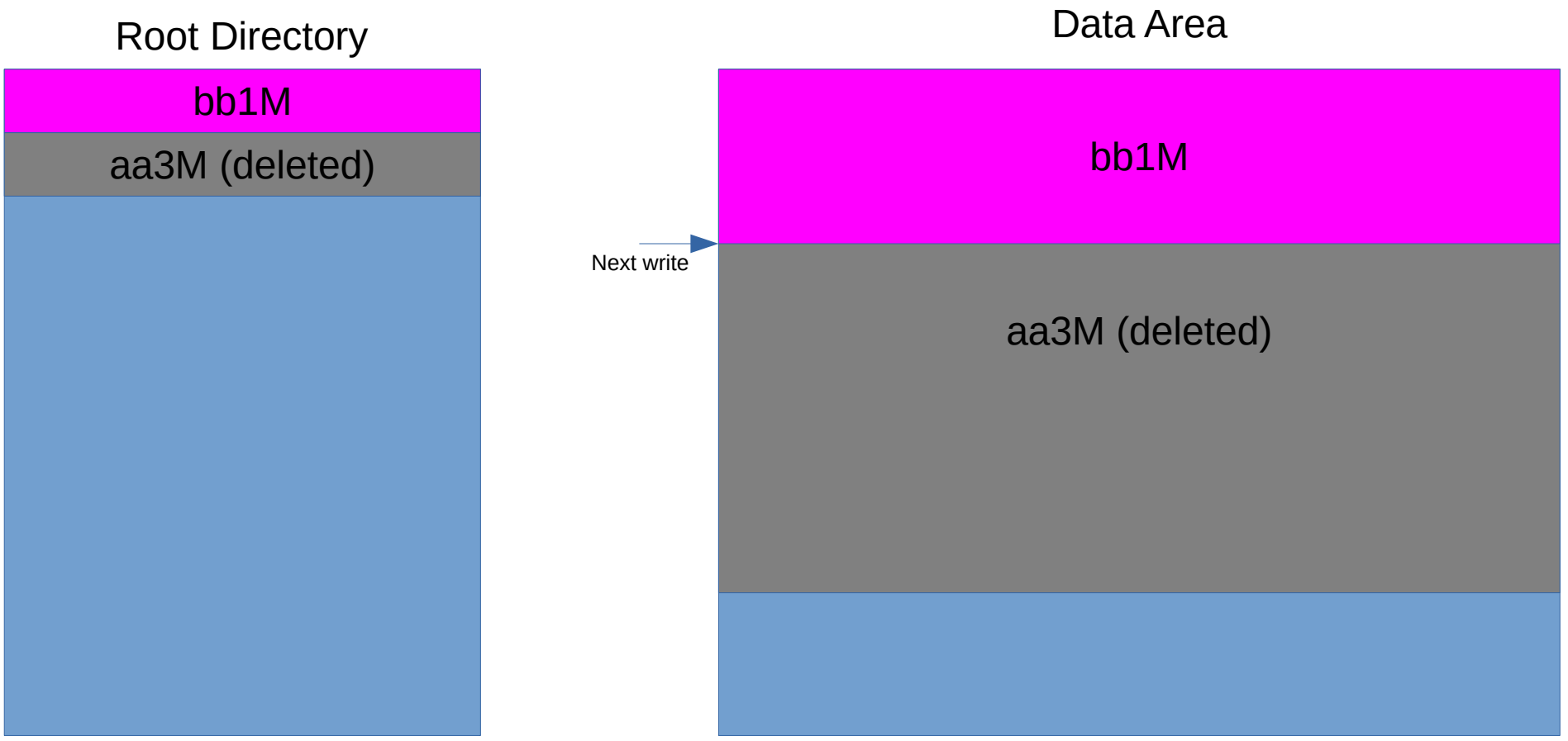
```
> cat test_files/aa2M >> /mnt/aa3M
```



```
> rm /mnt/aa3M
```


Root Directory
dd1M (deleted)
aa3M (deleted)
Data Area
aa3M (deleted)
Next write

```
> umount /mnt
> mount /dev/sda4 /mnt
```



```
> cp test_files/bb1M /mnt
> umount /mnt
```