

Using a Bitmap

Allocate block close to block x

- Check for blocks near $\text{bmap}[x/32]$
 - If disk almost empty, will likely find one near
 - As disk becomes full, search becomes more expensive and less effective
- ➔ Trade space for time (search time, file access time)



Problem 3 - Poor Locality (for hard disk drive)

- How to keep inode close to data block?

