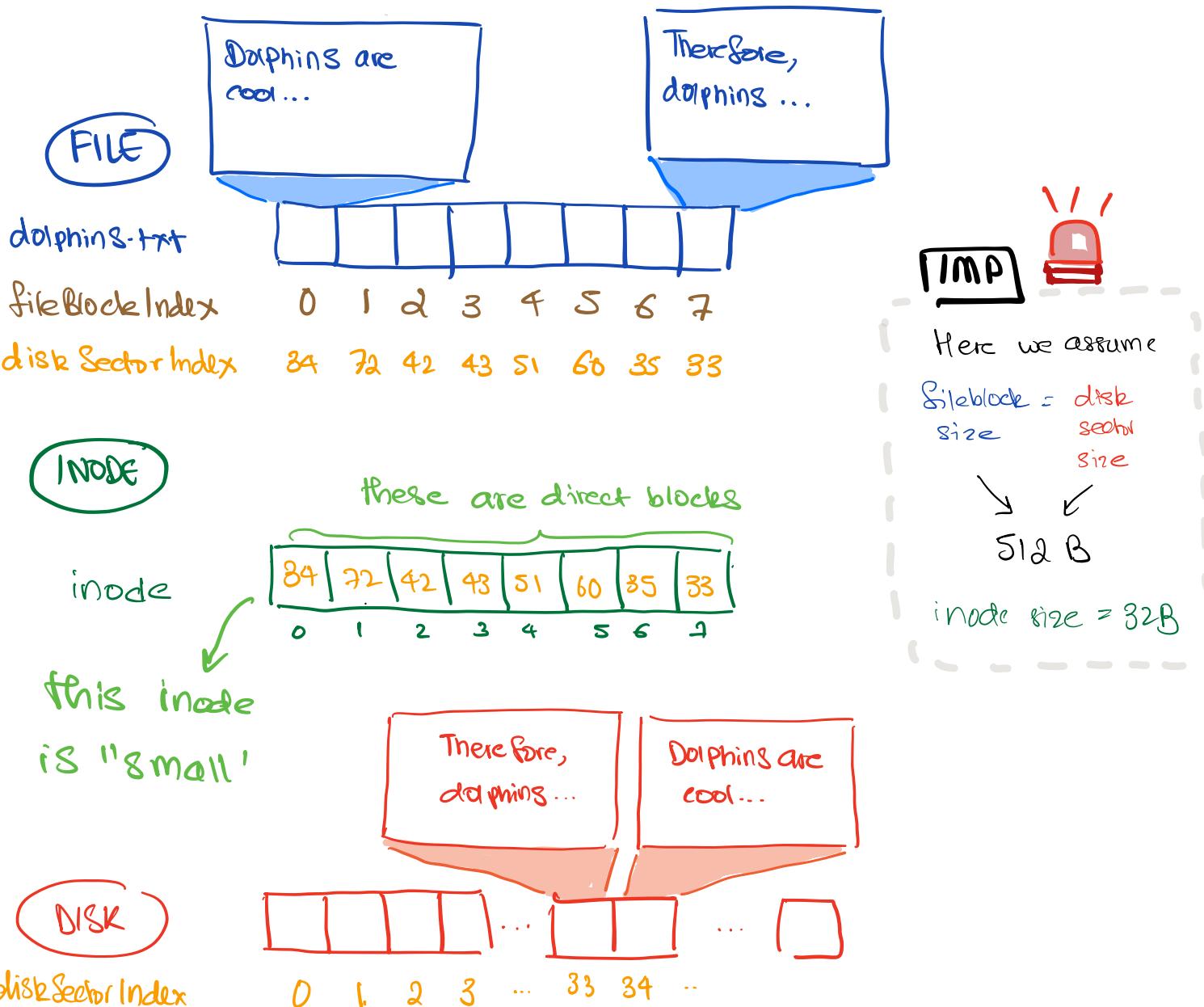
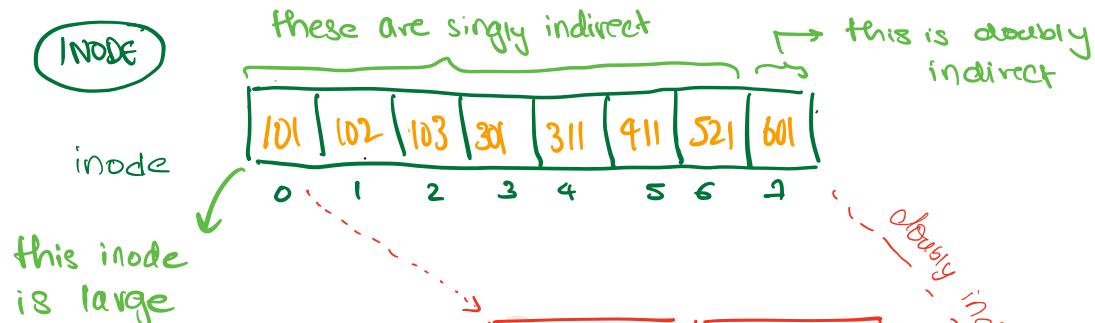
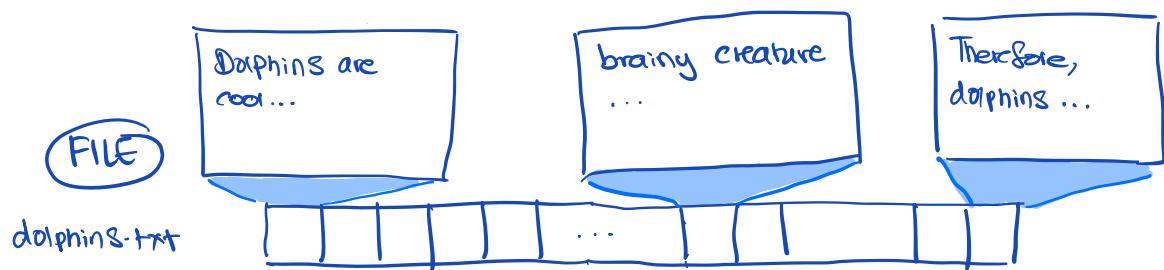


SMALL MODE



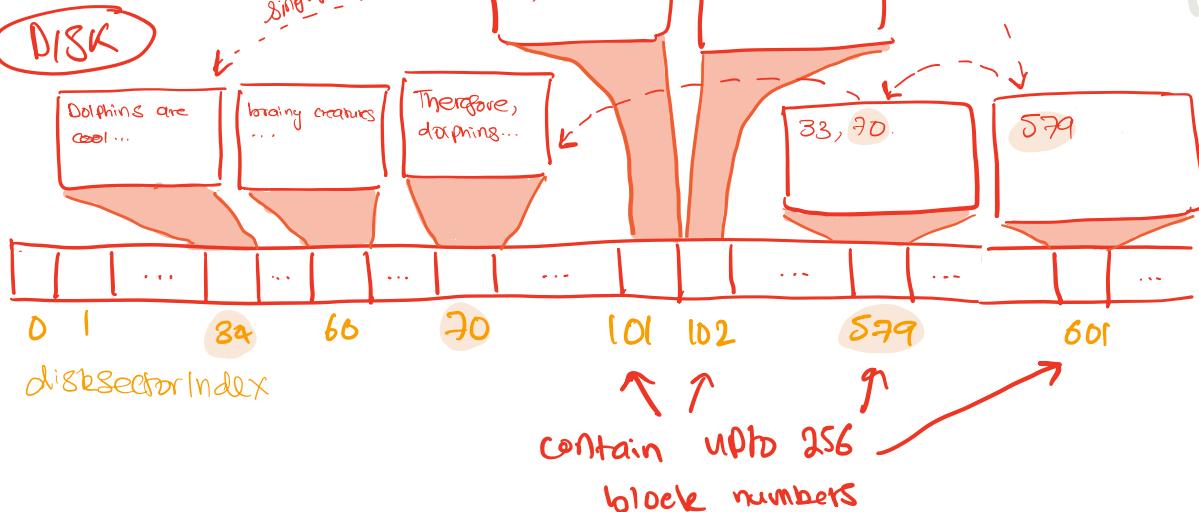
If we want to retrieve fileBlockIndex 4 of dolphins.txt, we look at inode [4] which takes us to diskSectorIndex 51.

LARGE MODE



IMP

Each indirect block can store $\frac{512}{2} = 256$ block numbers.



If we want to retrieve fileBlockIndex 1793 of dolphins.txt, we look at inode [7] which takes us to diskSectorIndex 601 which leads us to diskSectorIndex 579 which leads us to diskSectorIndex 70 which contains the content "Therefore, dolphins..."

INODES



Suppose we have the following files & index

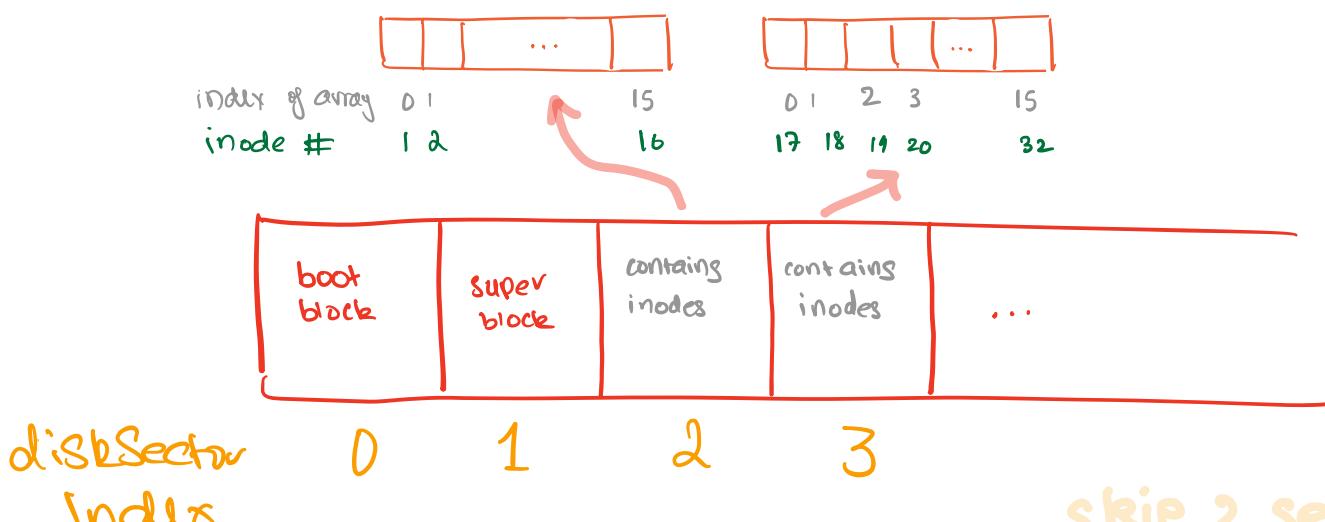
dolphins - txt	1
marine - life /	16
jellies · png	17
fish · mp3	20

IMP

inode
numbers
start at 1

DISK

each block contains
 $\frac{512}{32} = 16$ inodes



If we want to read inode of fish.mp3 we do $(20 - 1) / 16 + 2 \rightarrow \text{diskSectorIndex} = 3$

and $(20 - 1) \% 16 \rightarrow$ index of array = 3

↓ ↘ **in oder der Woch**

make D index

→ in oder per block

fin.

Yay!! You are a Unix V6 pro now