



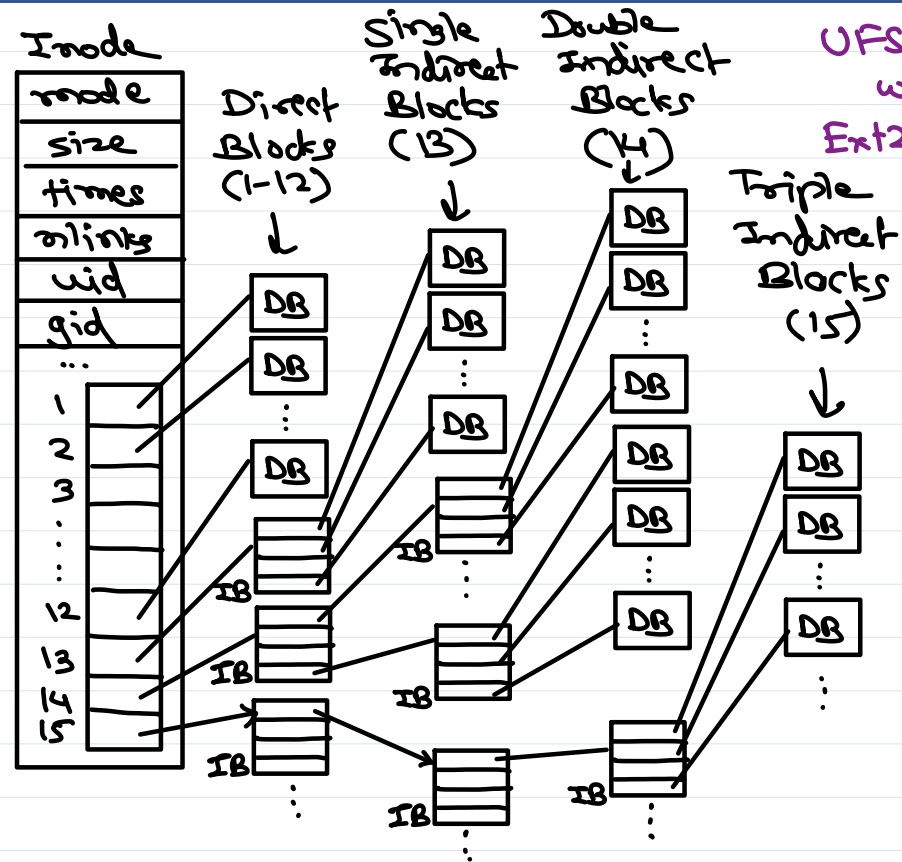
Embedded Operating Systems

Trainer: Nilesh Ghule



BB	SB	IL	DB
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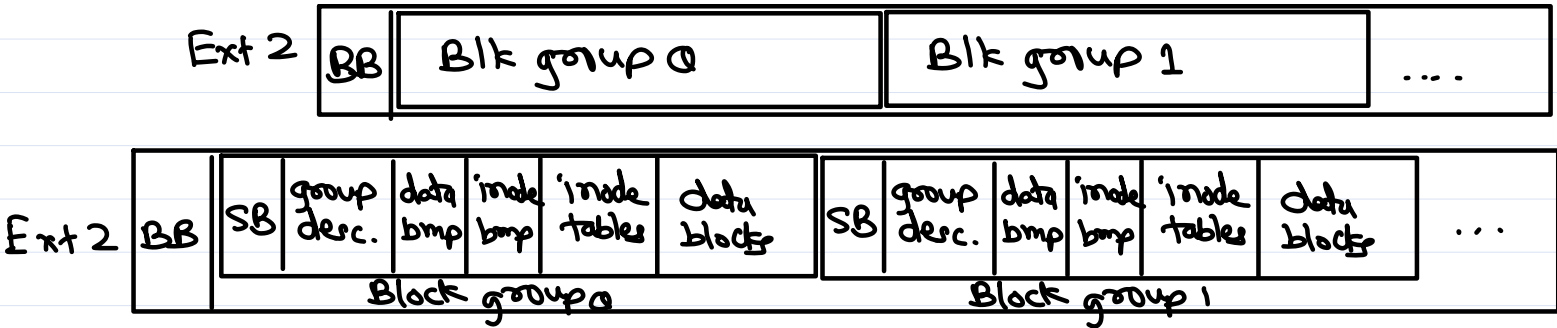
Ext2/3 File System



UFS max file size = 16GB
 with block size = 4KB
 Ext2 max file size = 2TB

UFS:

BB	SB	IL	DBs
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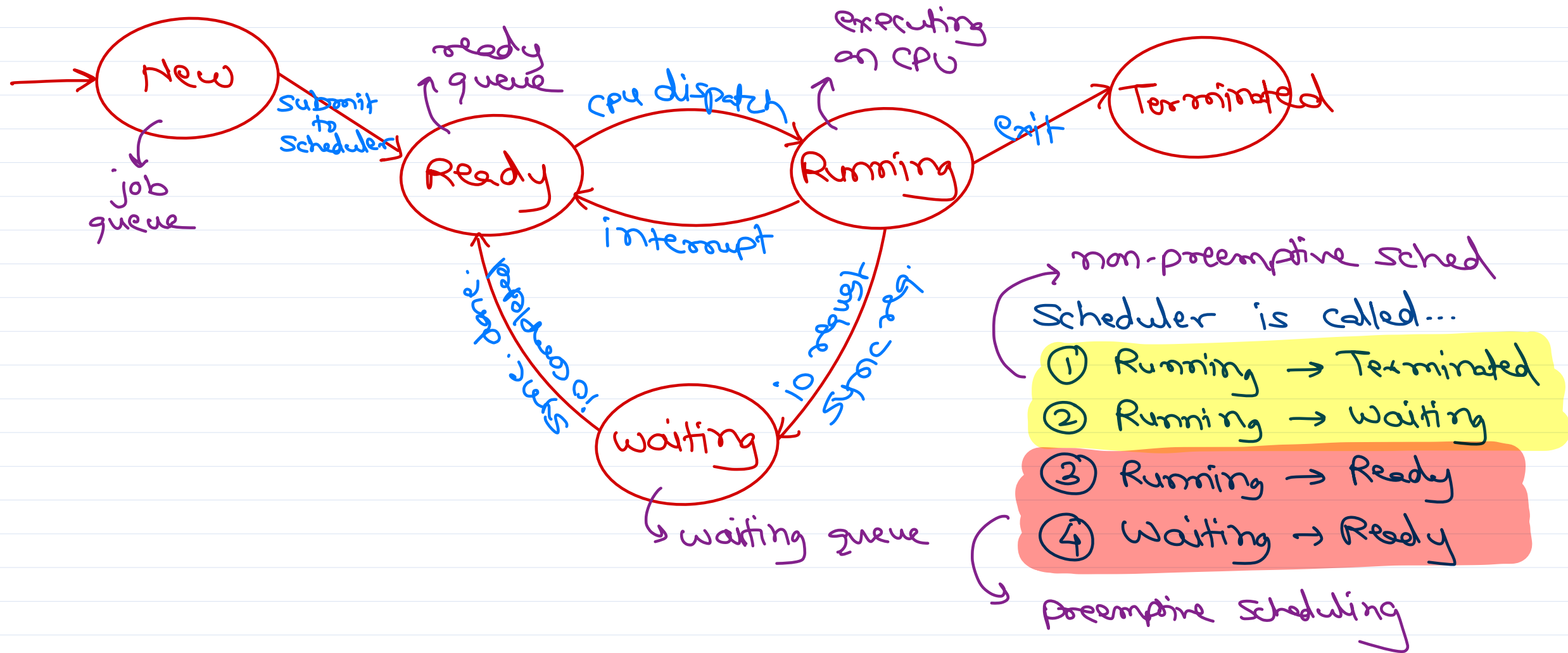
Super Block: info about whole partition - part label, block size, total num of inodes, total num of data blocks, total num of free inodes & free data blocks.

Block group: Group of inodes, data blocks and their info. Since data blocks, inodes, their bit vectors and descriptors are nearby, disk head movement (seek dist) is reduced and thus increase performance.

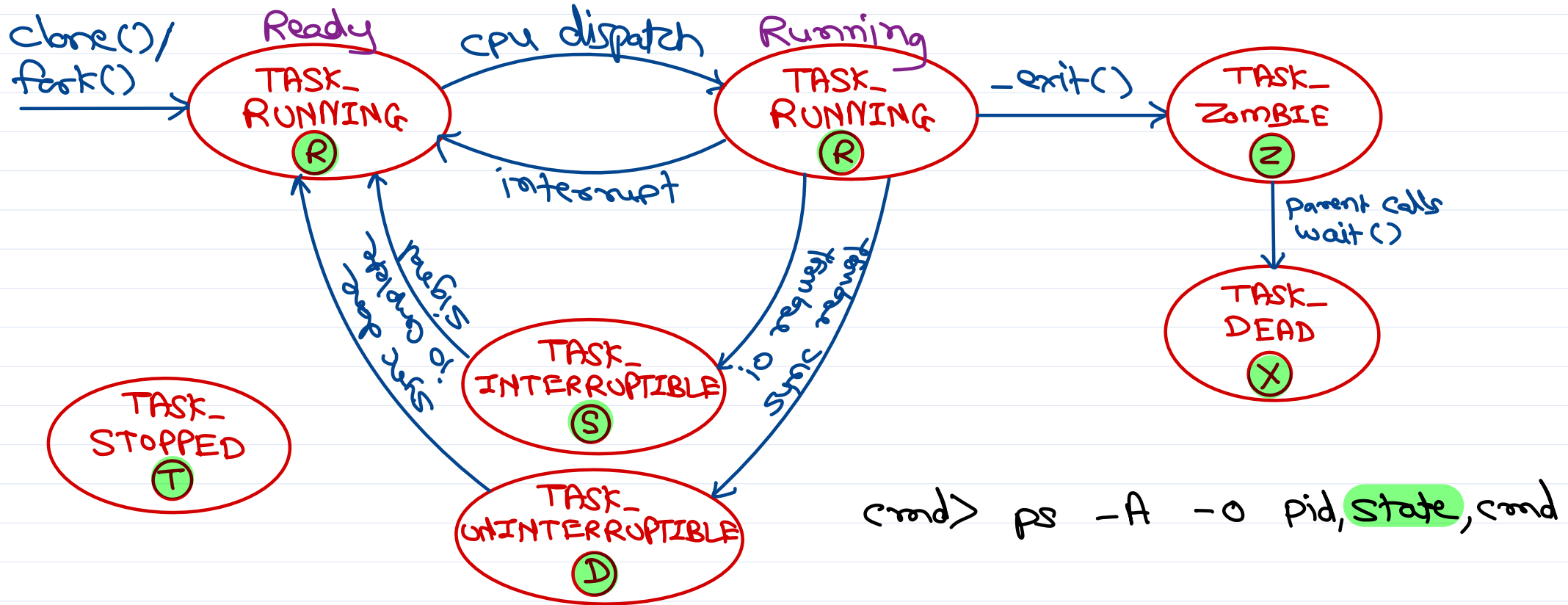
Inode contains info about data blocks. Ext2 follows indexed allocation - similar to UFS.



Process Life Cycle



Linux - Process Life Cycle





Thank you!

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