

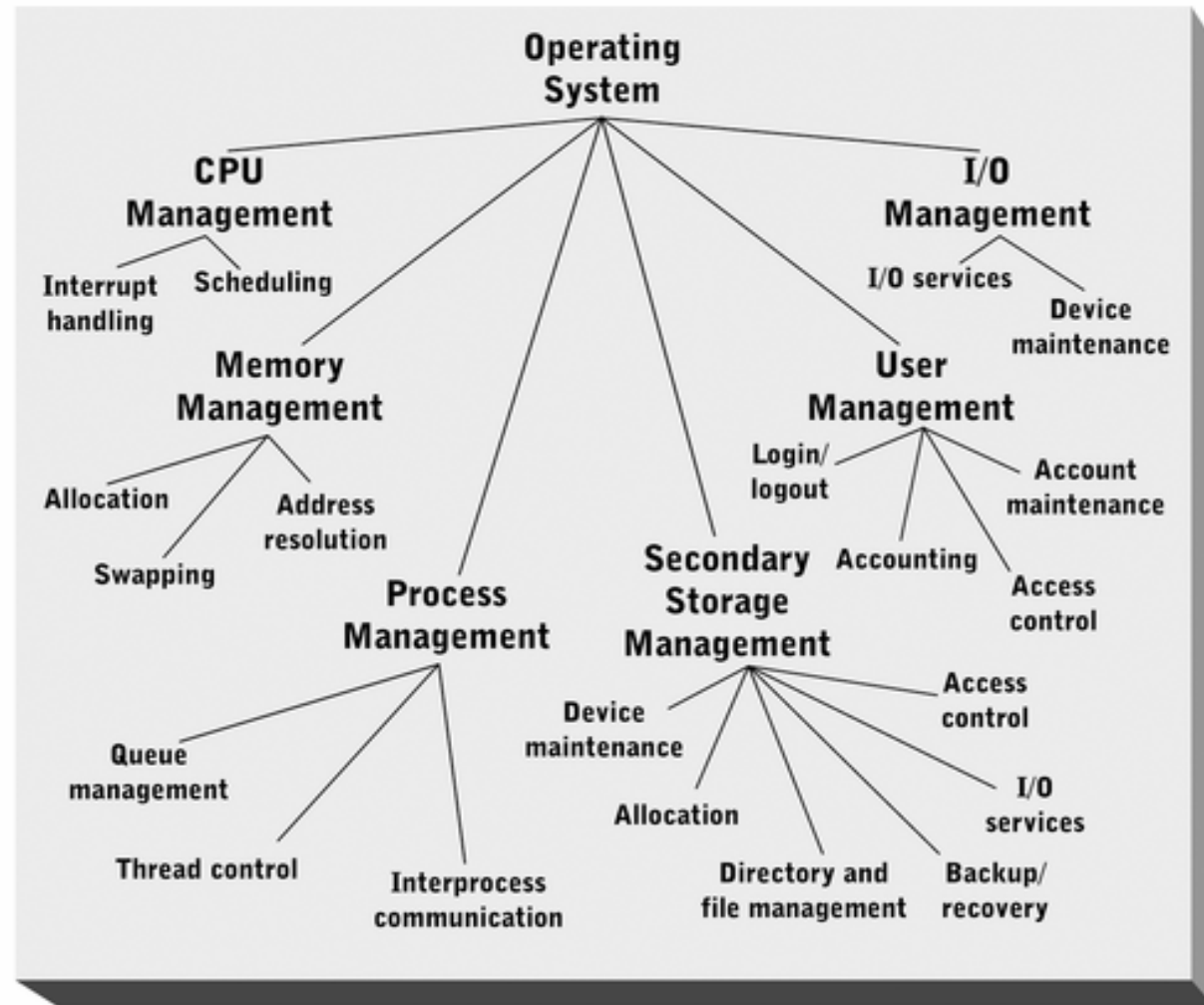
Sistema Eragileak I

1. Sarrera

Operating System Overview

Figure 11-2 ►

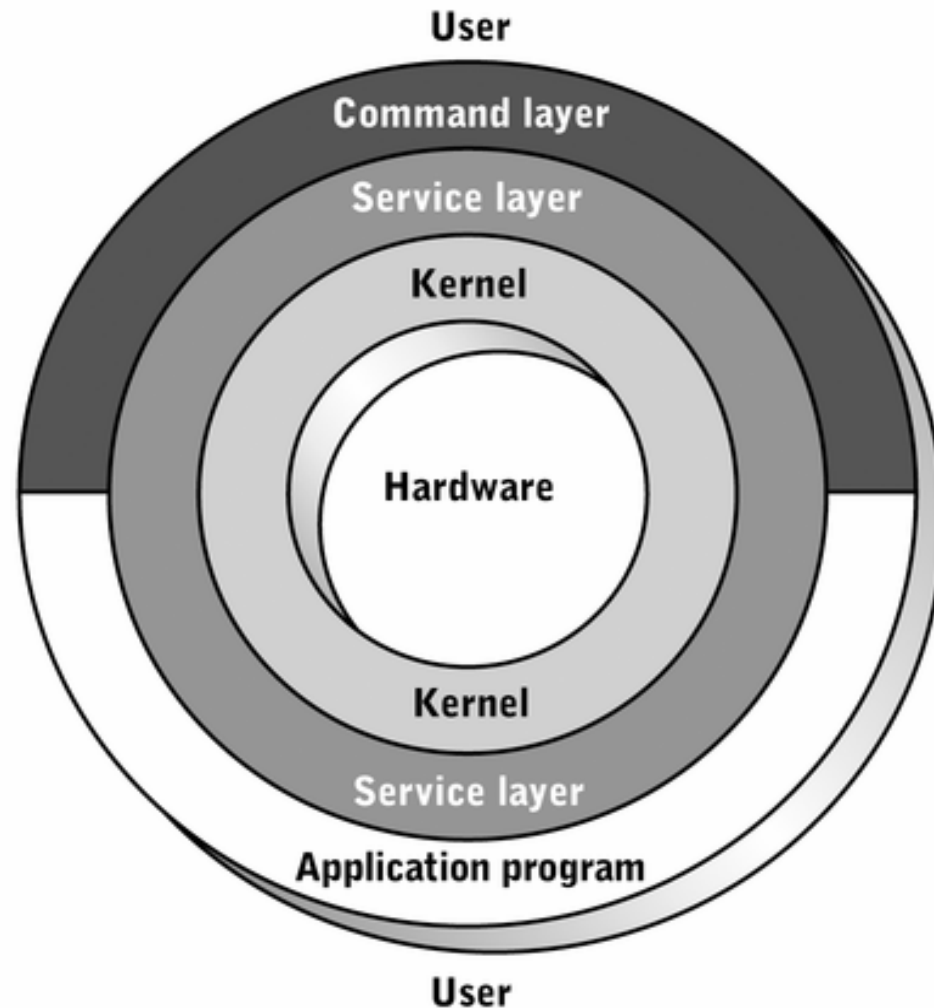
Operating system management functions



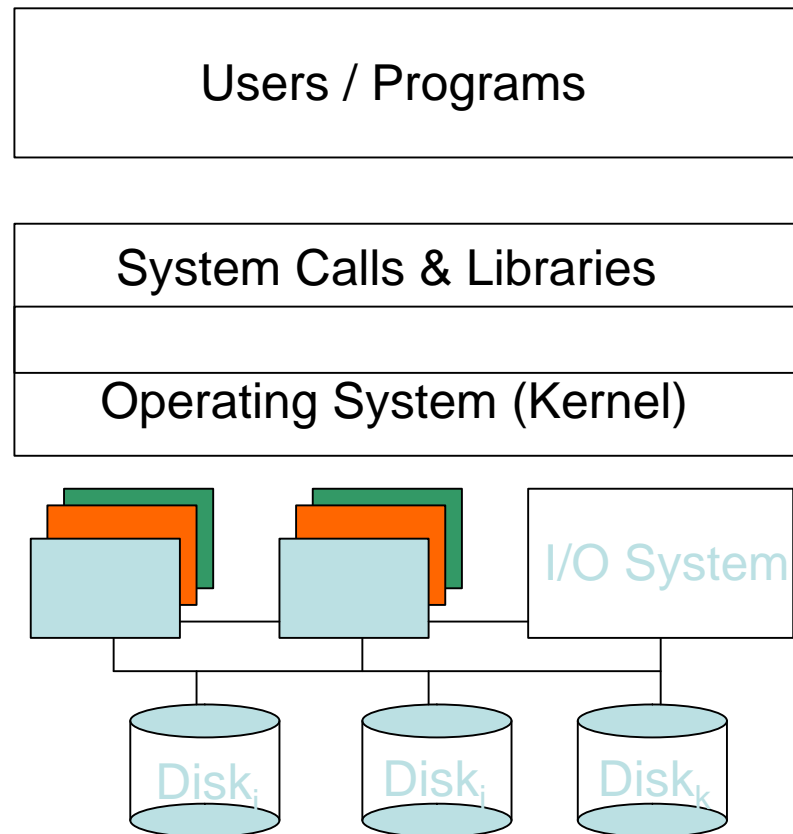
Operating System Overview

Figure 11-3 ►

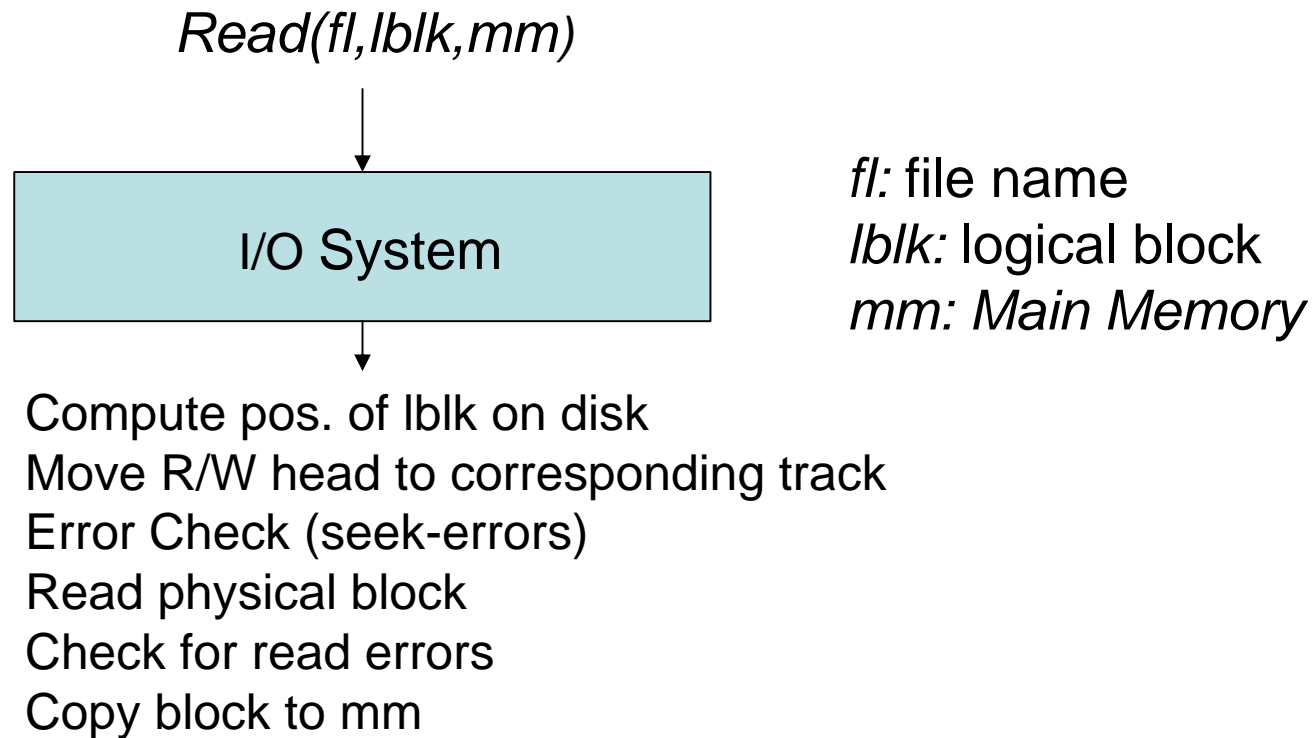
Operating system layers (shaded)



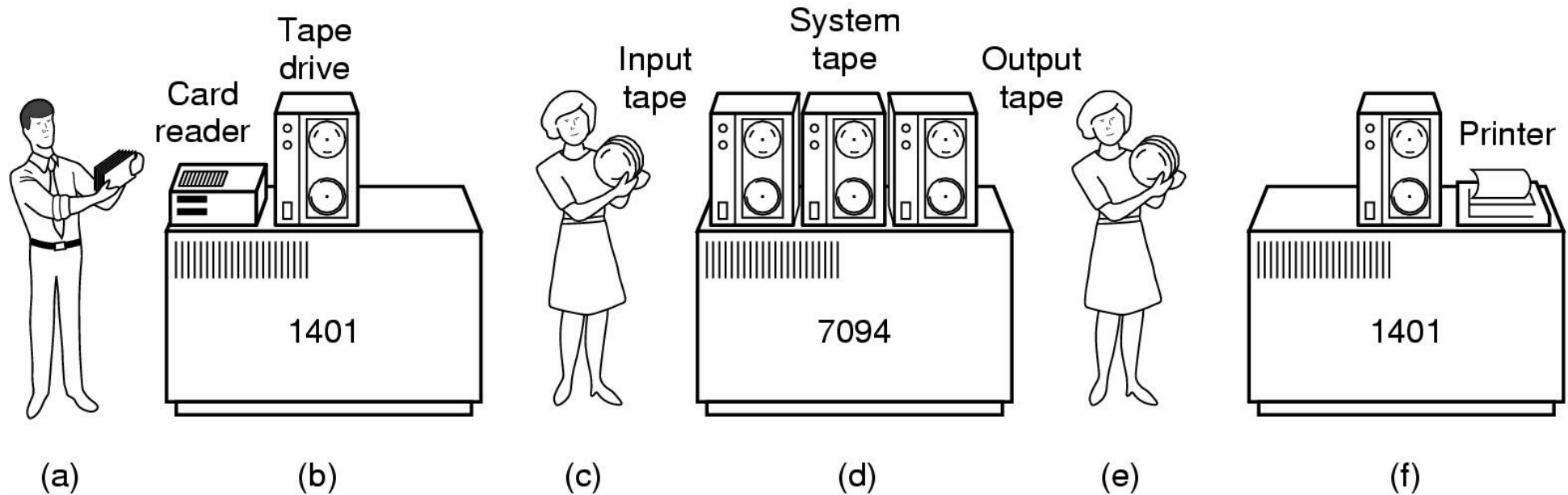
The Principle of Abstraction



The OS as Extended Machine



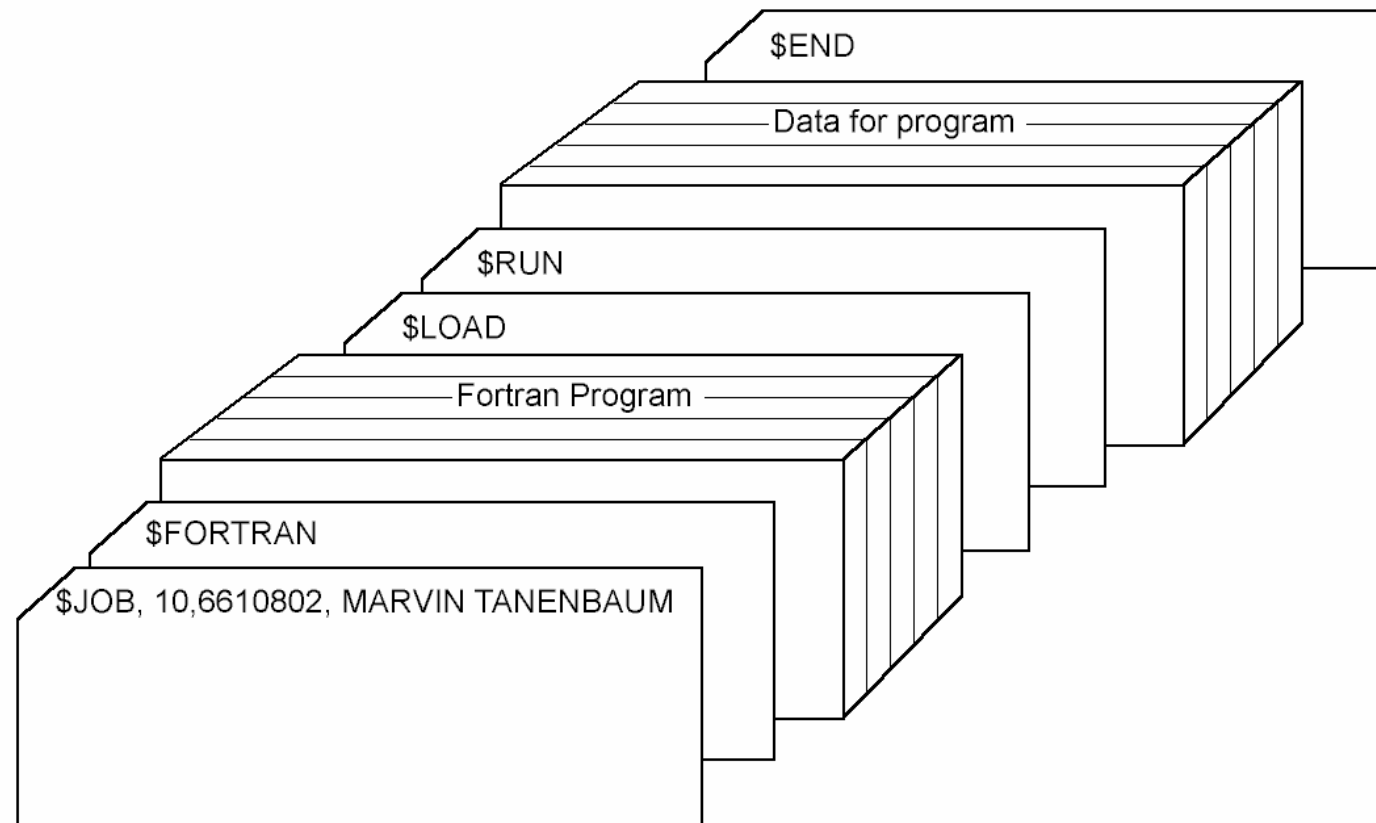
History of Operating Systems



Early batch system

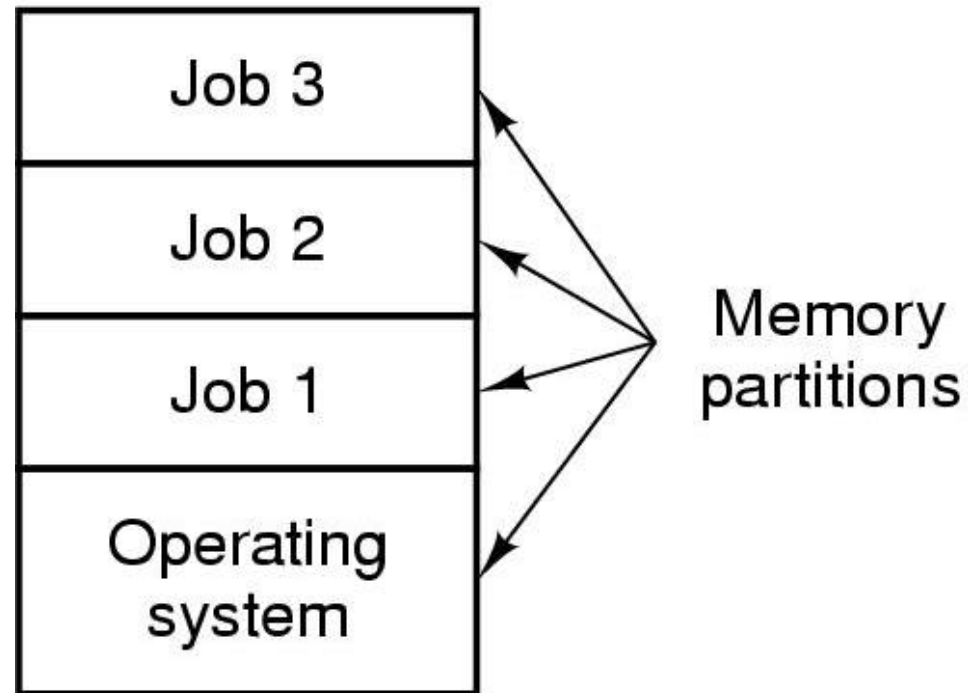
- bring cards to 1401
- read cards to tape
- put tape on 7094 which does computing
- put tape on 1401 which prints output

History of Operating Systems



Structure of a typical FMS job

History of Operating Systems

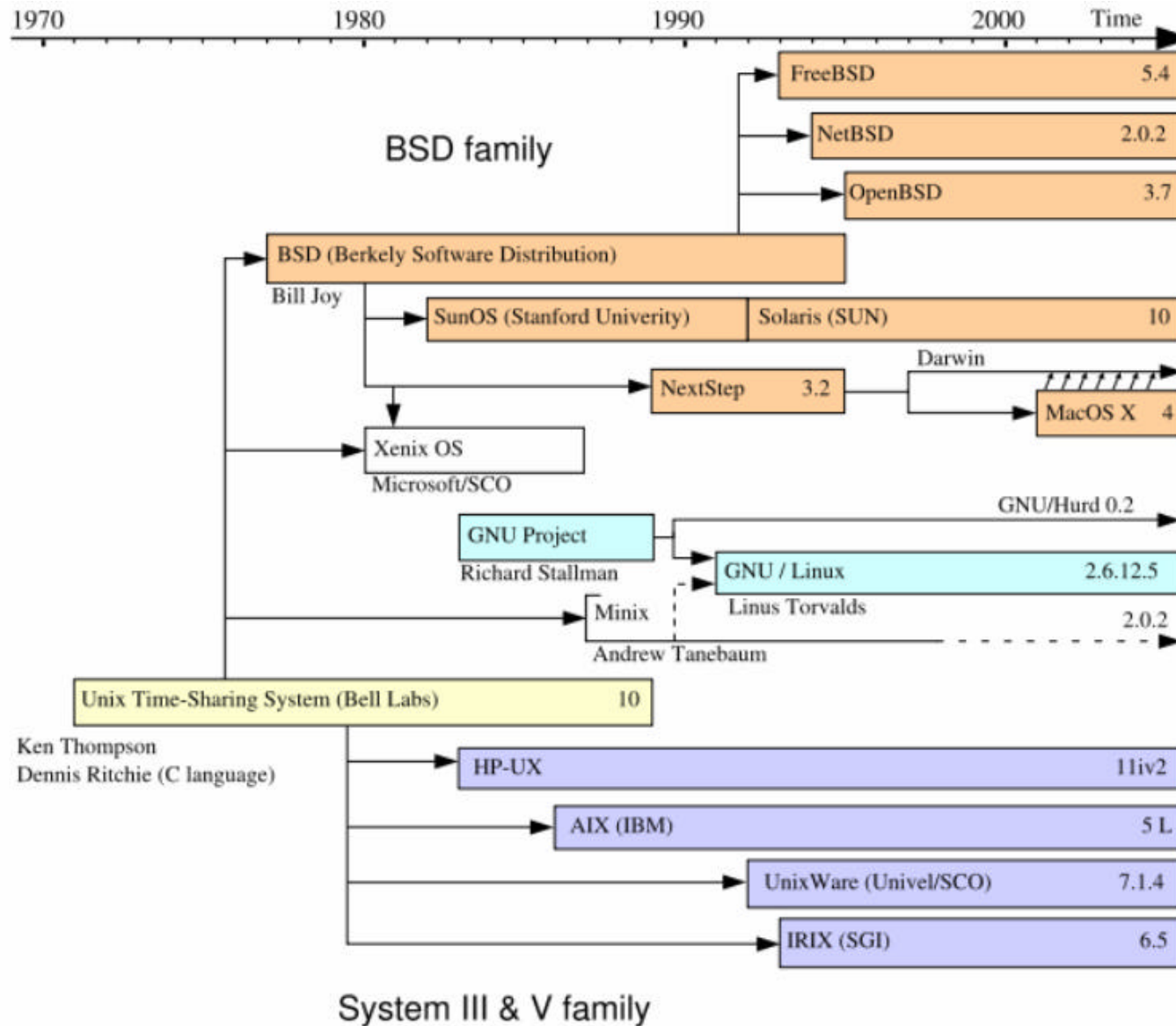


- Multiprogramming system
 - three jobs in memory

UNIX Sistema Eragilea(k)

- AIX (IBM)
- BSD (Berkeley Software Distribution)
- HP-UX (Hewlett-Packard)
- IRIX (Silicon Graphics)
- NeXTSTEP (NeXT)
- SunOS, Solaris (Sun Microsystems)
- ULTRIX, OSF1, Digital UNIX (DEC, Compaq)
- SCO UNIX (Santa Cruz Operation)
- ...
- Dohainikoak: FreeBSD, Hurd, Linux, Minix...

UNIX Sistema Eragilea(k)



MS-DOS

Sample MS-DOS Commands

C:\>FORMAT A: Prepares an unformatted diskette on drive A: for use.

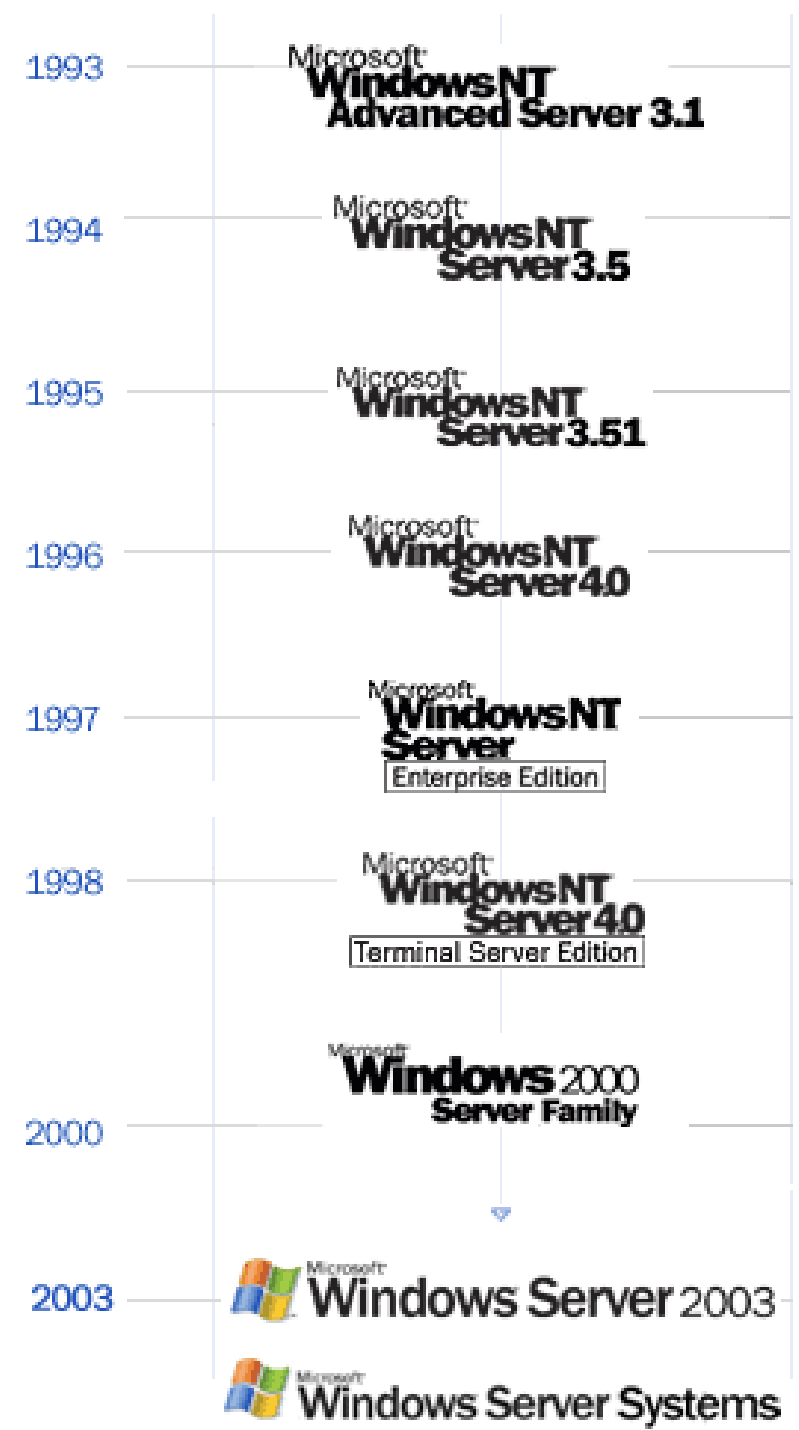
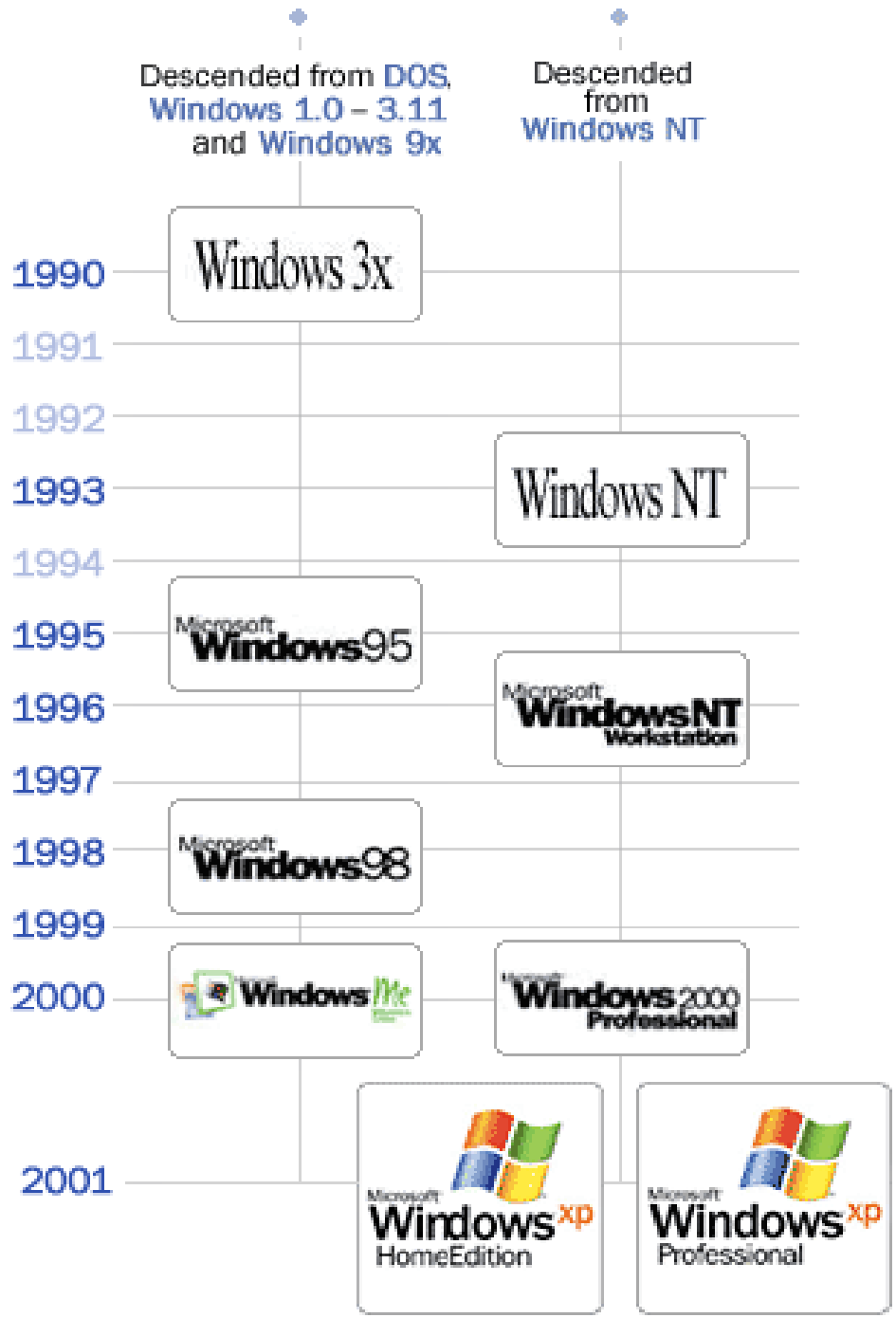
C:\>DIR A:DIR Lists the files on the diskette in drive A: (DIR stands for directory)

C:\>COPY MRKTDATA.SUM A: Copies file MRKTDATA.SUM on drive C to Drive A.

C:\>DEL A:SALESRPT.TXT Deletes file SALESRPT.TXT from drive A:

C:\>RENAME MRKTDATA.SUM SSDATA.CHT Renames the file MRKTDATA.SUM on drive C: to SSDATA.CHT

- Command-line interface
- Prompt – system is waiting for you to do something
- Key a command
- Not user-friendly



Denbora errealeko Sistema Eragileak

- QNX
- VxWorks
- Windows CE, Windows XP Embedded
- ...
- Dohainikoak: FreeRTOS, RTLinux...

PDA eta telefono mugikorreko Sistema Eragileak

- Palm OS
- Pocket PC
- SavaJe OS
- Symbian
- Windows Mobile
- ...