

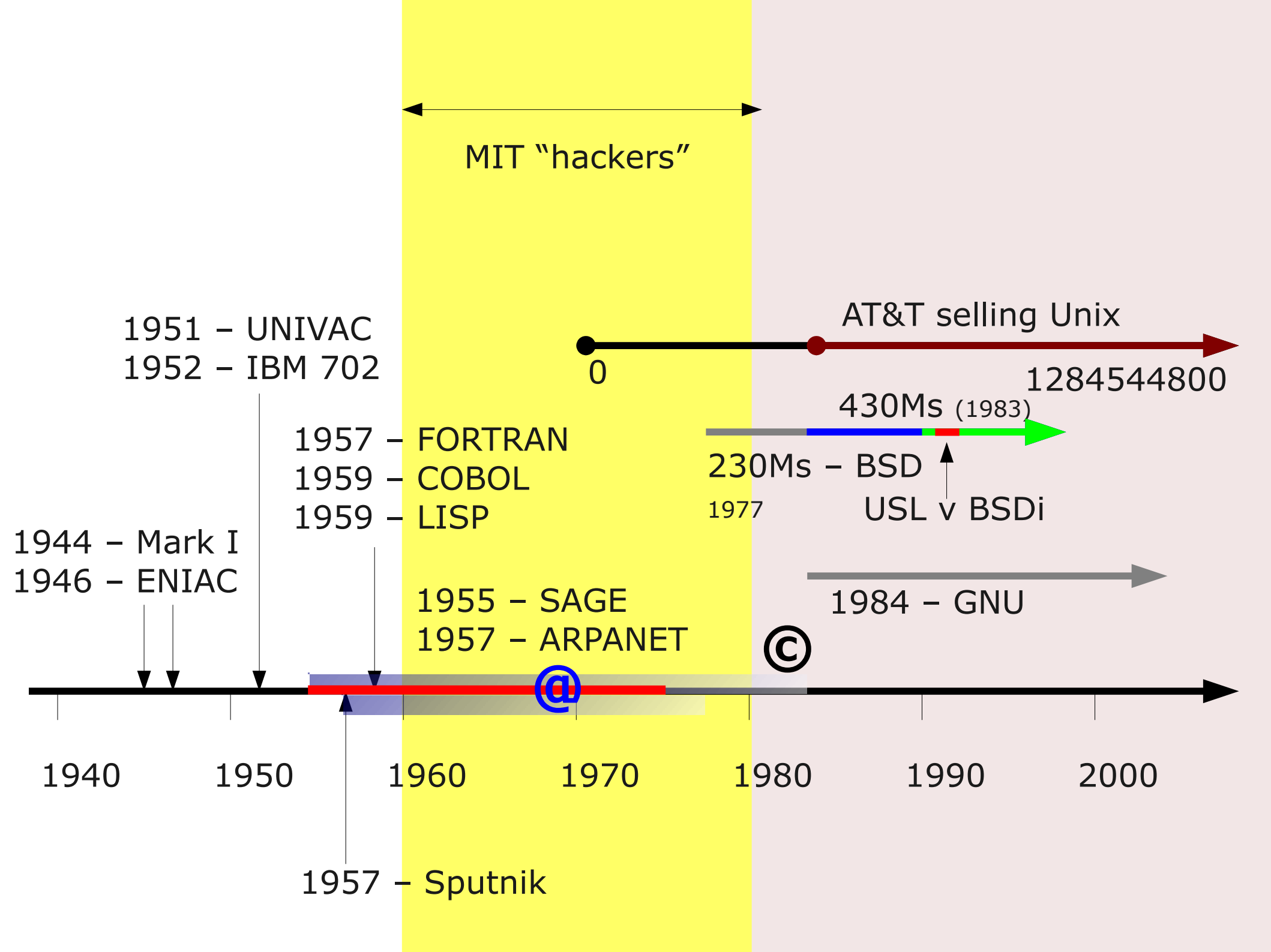
CCT490: Week 3

History II

Yuri Takhteyev
University of Toronto
September 22, 2010



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Richard Stallman



the GNU Project

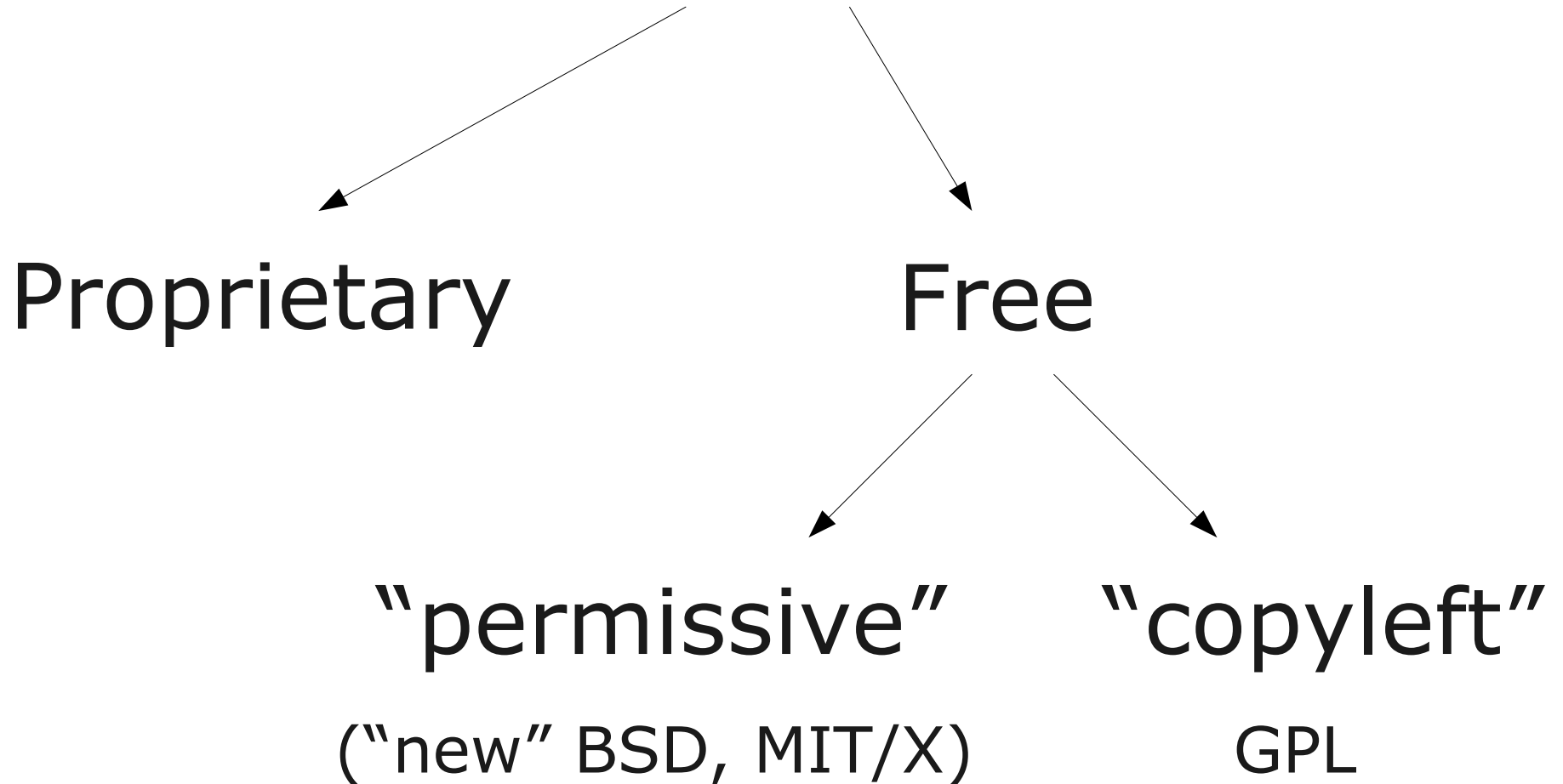
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1. You may copy and distribute verbatim copies of the Program's source code as you receive it,

Licenses



1978, Donald Knuth

TEX

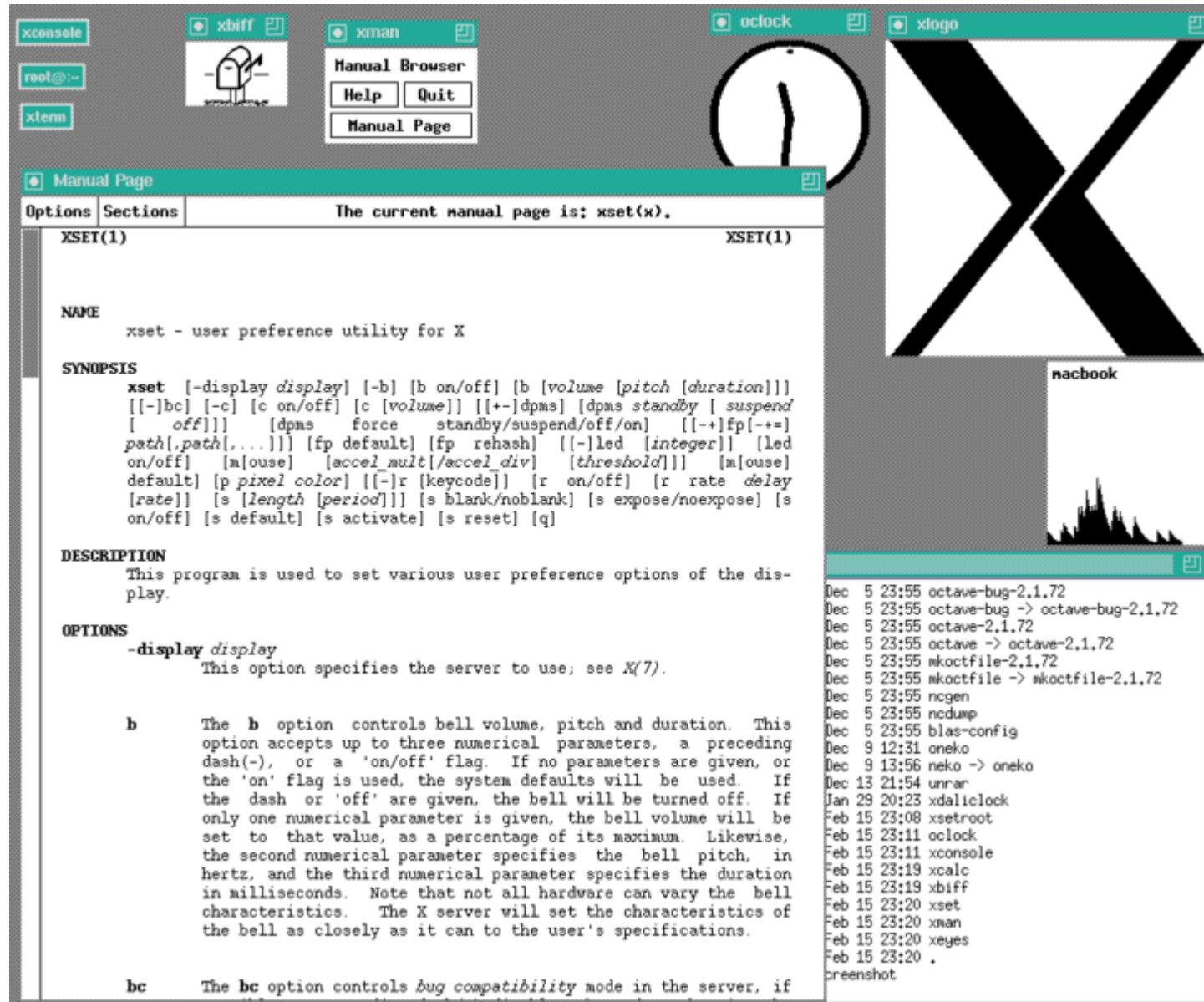
→ Leslie Lamport's
LaTeX in the 1980s

1982, Walter Tichy

RCS

→ Dick Grune's CVS
in 1986

1984, Scheifler, Gettys and others



1987, Larry Wall

Perl

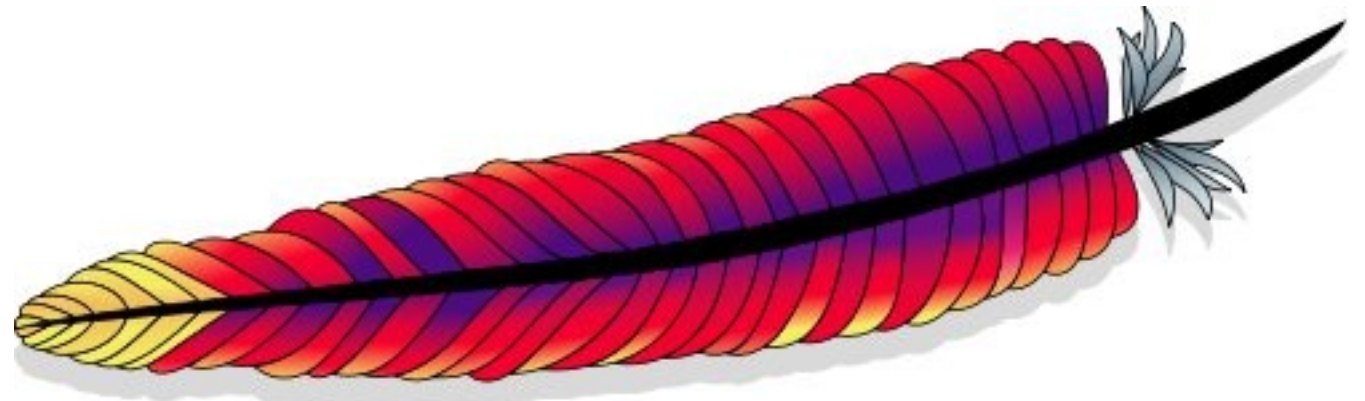
1990, Tim Berners-Lee

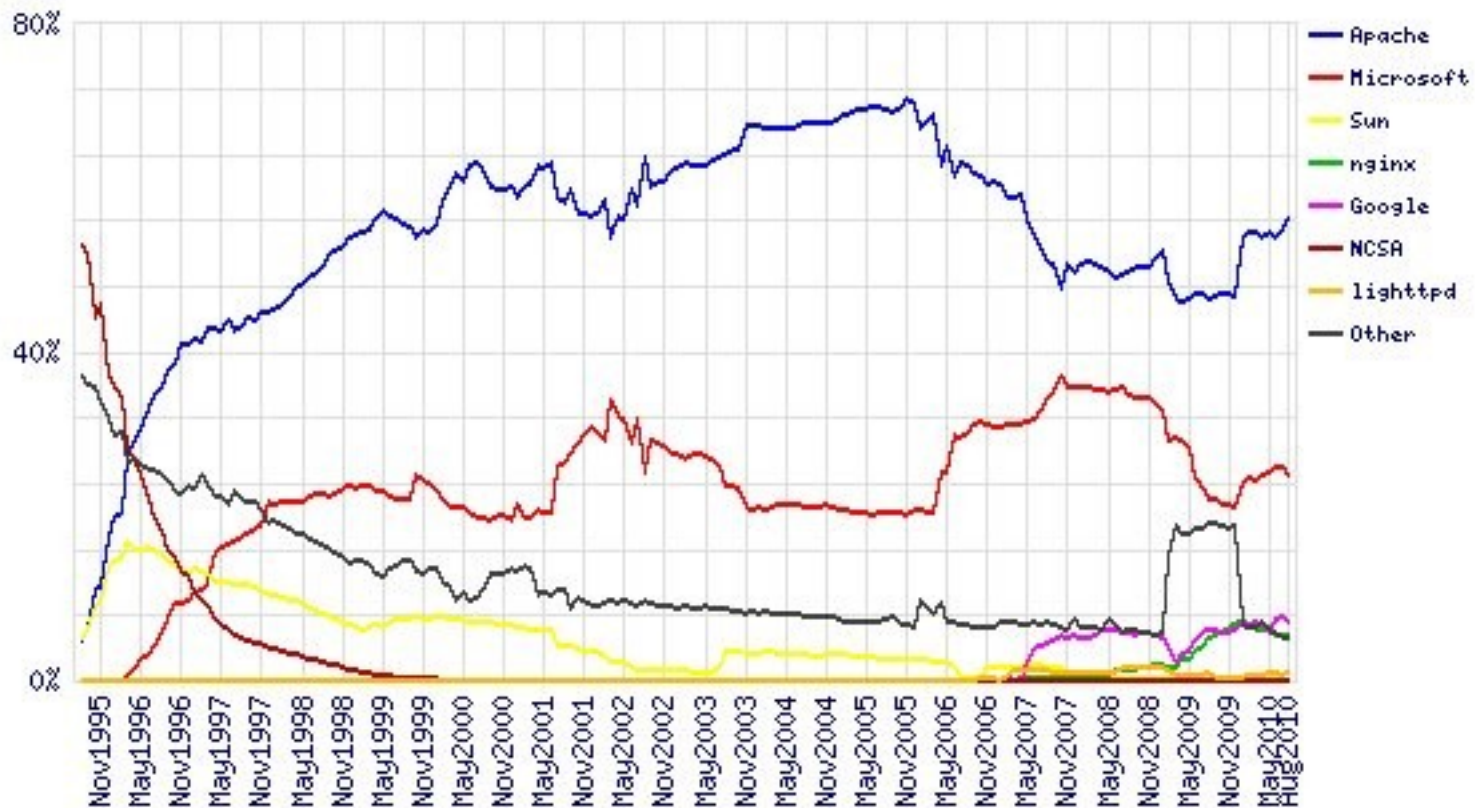


1995, Robert McCool and others

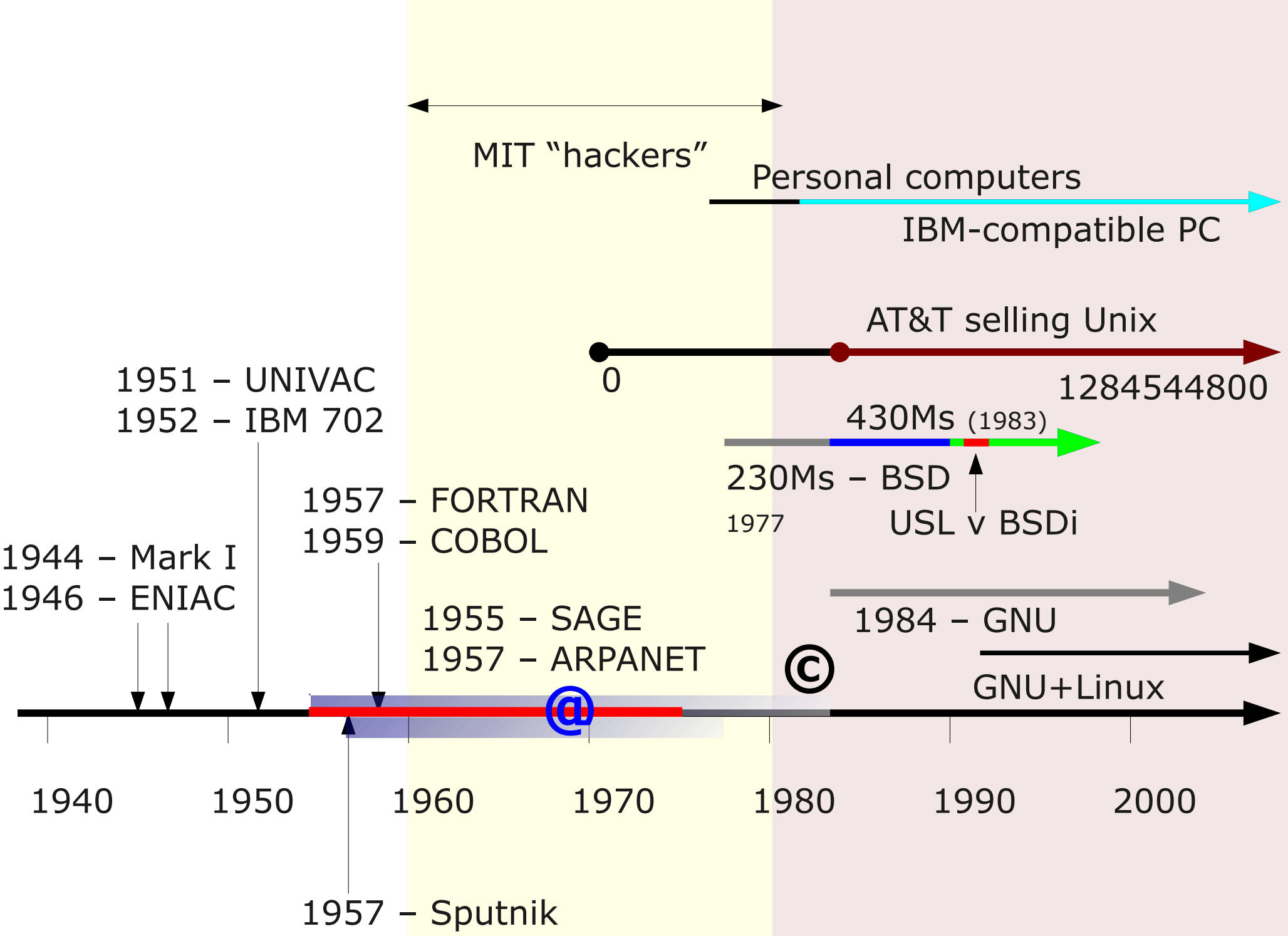
NSCA HTTPd →

Apache HTTP Server






Market Share for Top Servers Across All Domains
 August 1995 - August 2010,
<http://news.netcraft.com/>



“Three Cultures”

1. “ARPAnet/PDP-10 culture”
 2. “Unix and C crowd”
 3. “early microcomputer enthusiasts”
- 
- A curved arrow originates from the right side of the first list item, "ARPAnet/PDP-10 culture", and points towards the second list item, "Unix and C crowd".

HOW TO "READ" FM TUNER SPECIFICATIONS

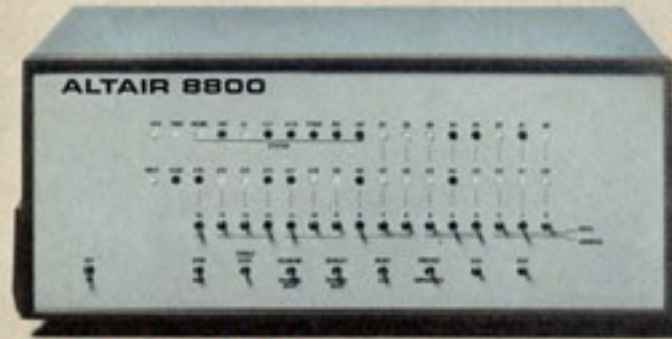
Popular Electronics

WORLD'S LARGEST-SELLING ELECTRONICS MAGAZINE JANUARY 1975/75¢

PROJECT BREAKTHROUGH!

World's First Minicomputer Kit to Rival Commercial Models...

"ALTAIR 8800" SAVE OVER \$1000



ALSO IN THIS ISSUE:

- An Under-\$90 Scientific Calculator Project
- CCD's—TV Camera Tube Successor?
- Thyristor-Controlled Photoflashers



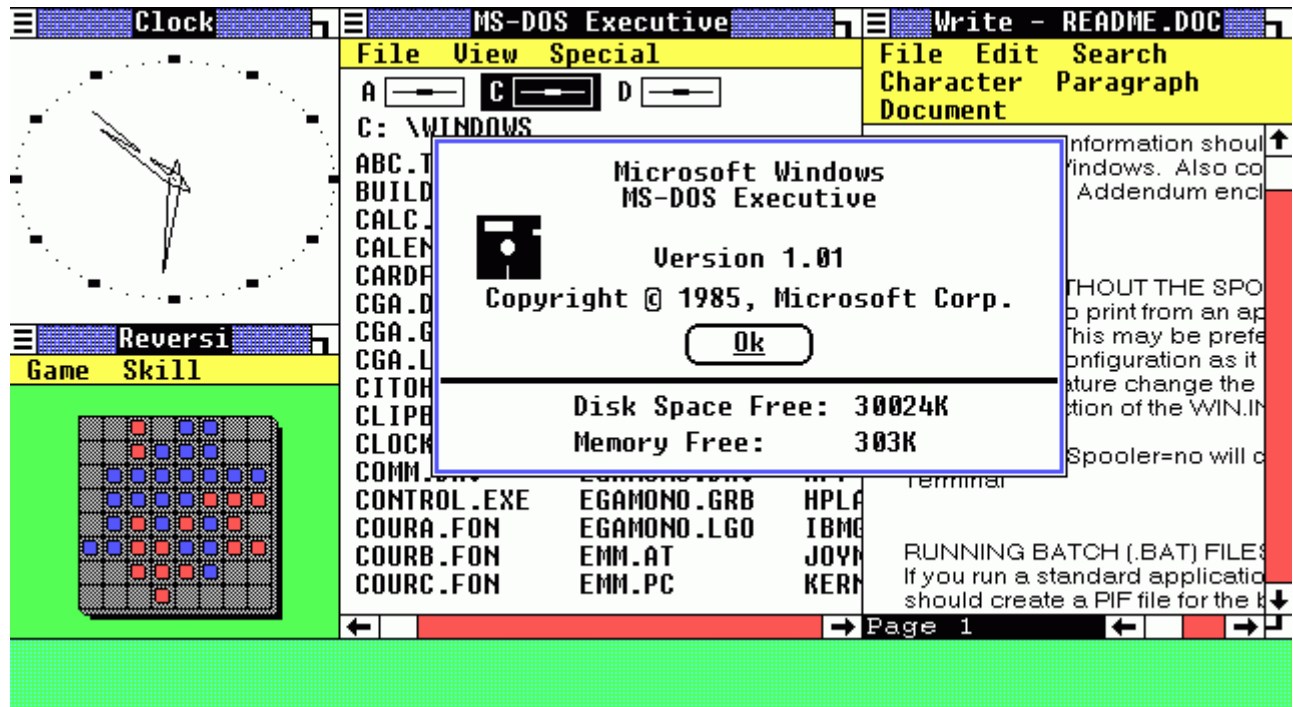
18101

TEST REPORTS:

Technics 200 Speaker System
Pioneer RT-1011 Open-Reel Recorder
Tram Diamond-40 CB AM Transceiver
Edmund Scientific "Kirlian" Photo Kit
Hewlett-Packard 5381 Frequency Counter

IBM PC, 1981





```
C:\PROGRAM FILES\MEDIA MACHINES
C:↓   Name      Size      Date
..    ▶UP--DIR◀  09.03.15
FLUX  ▶SUB-DIR◀  09.03.15
FluxStudio_2_1 ▶SUB-DIR◀  09.03.15
thumbnails ▶SUB-DIR◀  09.03.15

Info
The Norton Commander, Version 5.51
1 July 1998

655 360 Bytes Memory
560 480 Bytes Free
2 147 155 968 total bytes on drive C:
2 147 155 968 bytes free on drive C:
0 files and 4 directories
use 0 bytes in
C:\PROGRAM FILES\MEDIA MACHINES

Volume Label : NO NAME
Serial number: 3E53:10FE

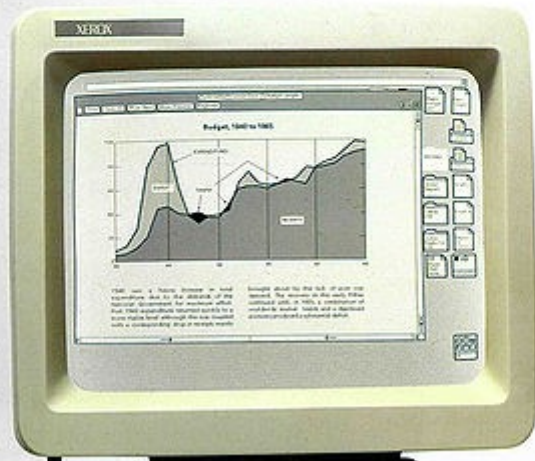
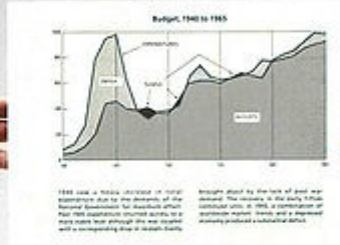
No "dirinfo" file in this directory

..    ▶UP--DIR◀  09.03.15  21:38

C:\PROGRAM FILES\MEDIA MACHINES>
1Left  2Right  3Name  4Exten  5Time  6Size  7Unsort  8Sync  9Print  10Split
```

RANK XEROX

Now you can create
documents with words
and pictures

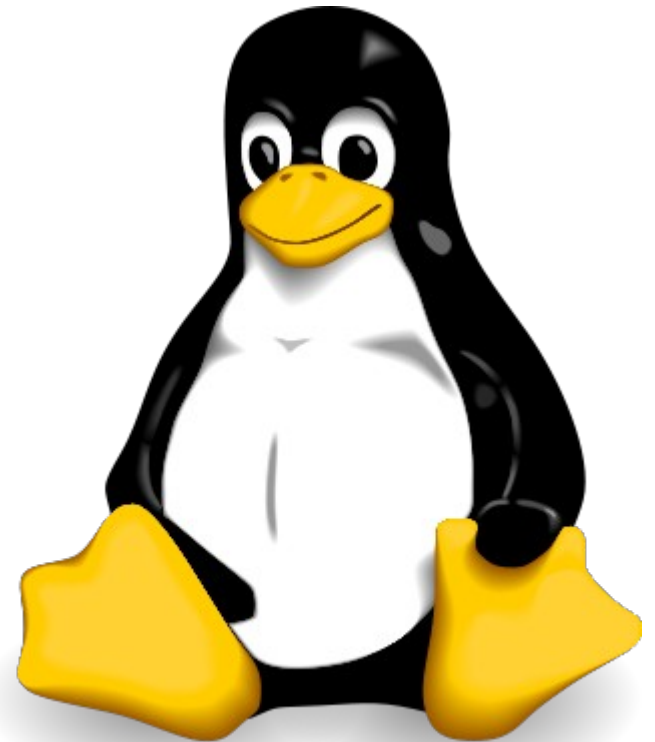


Xerox Star, 1981 (a "workstation")



Linus
Torvalds

GNU +
Linux



Linux Distributions

a distribution

Linux

- + GNU tools
- + X Windows
- + Apache
- + LaTeX
- + Perl
- + etc.

1993

IPO in 1999, with \$3 billion valuation

(Now challenged by Ubuntu, based on Debian.)



redhat.®

2001, IBM invests \$1 billion in Linux



*"The most important book about technology today,
with implications that go far beyond programming."
— Guy Kawasaki*

Revised & Expanded

THE CATHEDRAL & THE BAZAAR

MUSINGS ON LINUX AND OPEN SOURCE
BY AN ACCIDENTAL REVOLUTIONARY



ERIC S. RAYMOND

WITH A FOREWORD BY BOB YOUNG, CHAIRMAN & CEO OF RED HAT, INC.

“Linus’s law”

*"The most important book about technology today,
with implications that go far beyond programming."
— Guy Kawasaki*

Revised & Expanded

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“Open source”

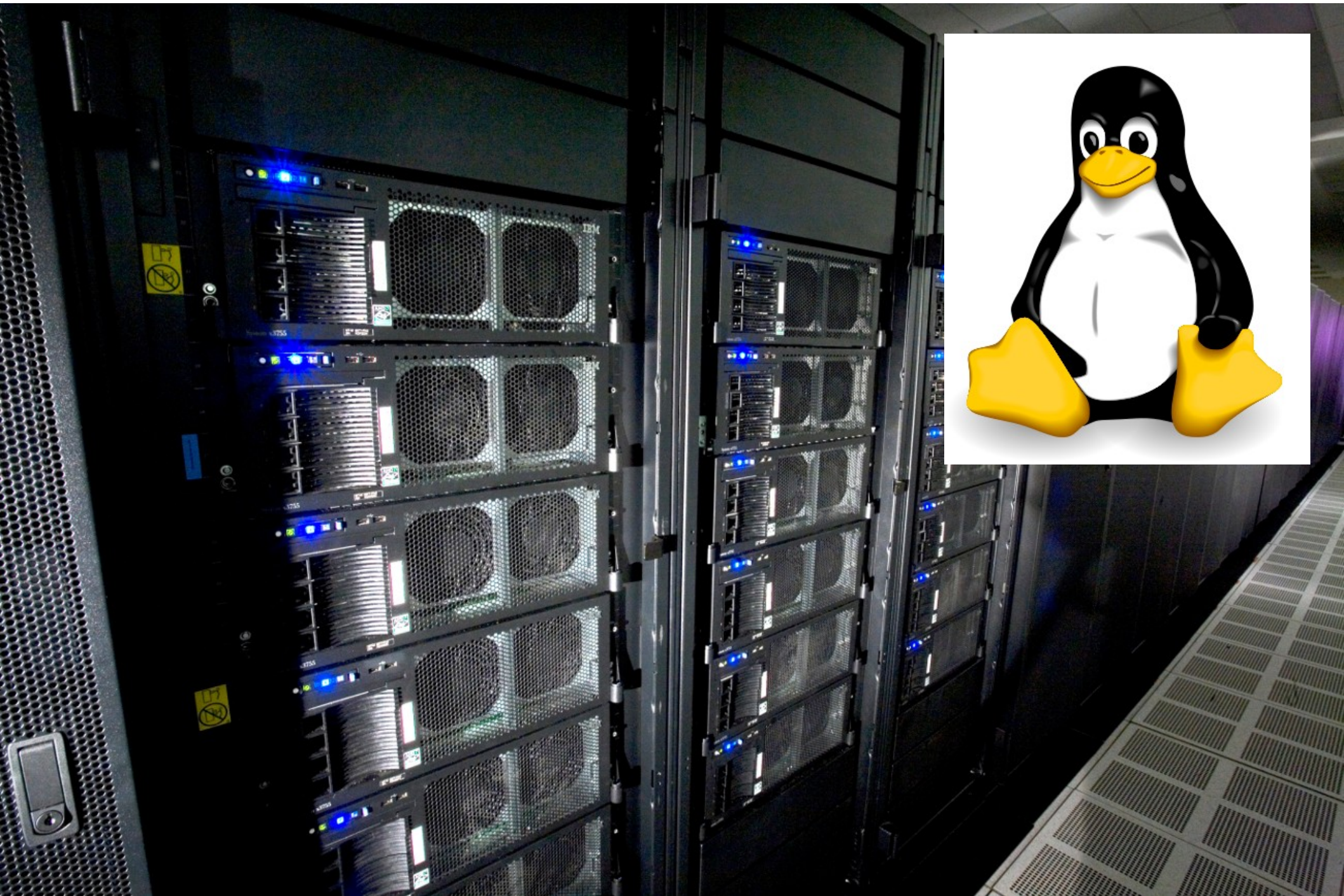


image source: http://www.lanl.gov/news/albums/computer/Roadrunner_1207.jpg

2007



ANDROID

Company Name	Number of Changes	Percent of Total
None	13,850	21.1%
Red Hat	7,897	12.0%
IBM	4,150	6.3%
Novell	4,021	6.1%
Intel	3,923	6.0%
Unknown	2,765	4.2%
Oracle	2,003	3.1%
Consultant	1,480	2.3%
Parallels	1,142	1.7%
Fujitsu	1,007	1.5%
Academia	992	1.5%
Analog Devices	889	1.4%
Renesas Technology	884	1.3%
SGI	755	1.2%
Movial	738	1.1%
Sun	639	1.0%
HP	628	1.0%
Freescale	613	0.9%
Marvell	601	0.9%
MontaVista	574	0.9%
AMD	552	0.8%
Nokia	549	0.8%
Vyatta	513	0.8%
Google	512	0.8%
Atheros Communications	494	0.8%

Assignment 1