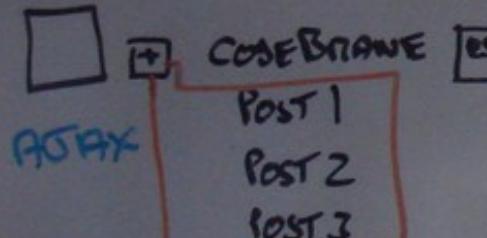


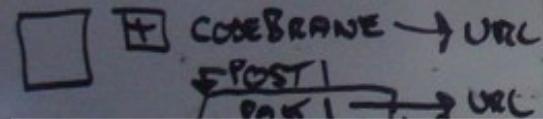
Introduzione al Software Libero

COURSE DOCUMENTS



verify signature
inner name
(CERTTRUST...)

RSS URL
WHAT THEY
IMPORTED



IPSIA – Fermo

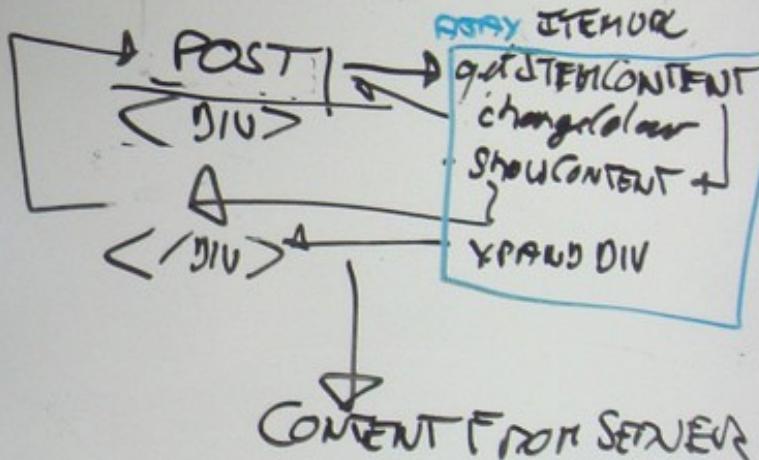
26 Gennaio 2013

< Assertion Issuer="guarini.iti.alst" ...>
...
</Assertion>
</SAML:Response>

Look for CTBETRUST certificate
and verify inner signature in
RESPONSE signature

SAML: EntityDescriptor

ENTITY DESCRIPTOR
entity ID = "guarini.iti.alst"
X509
KEY INFO
<CREATION> 2013-01-26T11:45:00Z</CREATION>



Andrea Colangelo
Ubuntu Developer
Debian Maintainer

holar.is

holar.is



Che cos'è l'informatica?

```
flatron lenny
Get:51 http://ftp.us.debian.org lenny/main libx86_64misc 1:1.0.3-2 [38.0kB]
Get:52 http://ftp.us.debian.org lenny/main x11-xserver-6.9.1-1 [35.0kB]
Get:53 http://ftp.us.debian.org lenny/main xauth 1:1.0.3-2 [26.6kB]
Get:54 http://ftp.us.debian.org lenny/main xbitmaps 1:0.9-2 [31.3kB]
Get:55 http://ftp.us.debian.org lenny/main xinit 1:7.3+18 [22.0kB]
Get:56 http://ftp.us.debian.org lenny/main xbase-clients 1:1.1.8-5 [193kB]
Get:57 http://ftp.us.debian.org lenny/main xdm 1:1.1.23+mmu1 [28.6kB]
Get:58 http://ftp.us.debian.org lenny/main libpaper1 1.1.17-26 [85.1kB]
Get:59 http://ftp.us.debian.org lenny/main psutils 1:4.14-1 [927kB]
Get:60 http://ftp.us.debian.org lenny/main a2ps 1:4.14-1 [603kB]
Get:61 http://ftp.us.debian.org lenny/main libaspell115 0.60.6-1 [290kB]
Get:62 http://ftp.us.debian.org lenny/main aspell 0.60.6-1 [249kB]
Get:63 http://ftp.us.debian.org lenny/main aspell-en 6.0-0-5.1 [45.6kB]
Get:64 http://ftp.us.debian.org lenny/main bzip2 1.0.5-1 [147kB]
Get:65 http://ftp.us.debian.org lenny/main libdbus-1-3 1.2.1-4 [227kB]
Get:66 http://ftp.us.debian.org lenny/main libdbus-1-3 1.2.1-4 [227kB]
Get:67 http://ftp.us.debian.org lenny/main dbus 1.2.1-4 [63.4kB]
Get:68 http://ftp.us.debian.org lenny/main s-x11 1.2.1-4 [5/]
Get:69 http://ftp.us.debian.org lenny/main tk2.0-common 2.12.11-4 [5/]
Get:70 http://ftp.us.debian.org lenny/main lib2.0-0 2.16.6-1 [756kB]
Get:71 http://ftp.us.debian.org lenny/main tk1.0-0 1.22.0-1 [79.2kB]
Get:72 http://ftp.us.debian.org lenny/main jsfs2 2.1.0-5 [28.3kB]
Get:73 http://ftp.us.debian.org lenny/main s-0.0-0 1.0-4 [27.1kB]
Get:74 http://ftp.us.debian.org lenny/main libdirectfb-1.0-0 1.0.1-11 [1.245kB/s 5/]
```

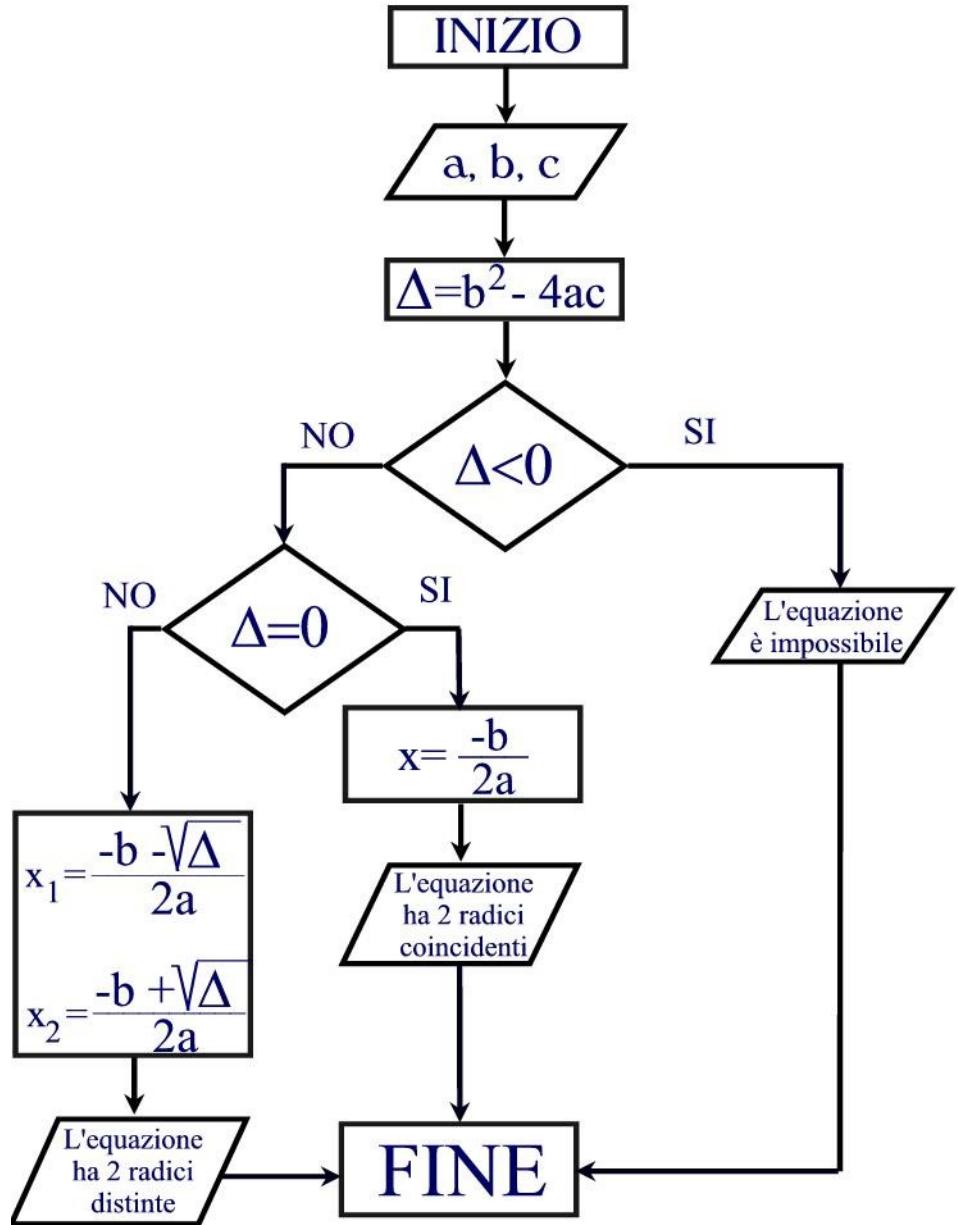
L'informatica è una branca
della matematica

L'informatica studia
l'informazione





*“L'hardware è tutto quello che puoi prendere a calci,
il software è tutto quello che puoi solo maledire.”*



Algoritmo
↓
Linguaggio
↓
Software

SANGIORGI & WALKER

The π -Calculus

A Theory of Mobile Processes

CAMBRIDGE

Guzdial
Rose

Squeak

Open Personal Computing
and Multimedia

DYBVIG

THE SCHEME PROGRAMMING LANGUAGE

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Wall,
Christiansen
& Orwant

Miranda™

The Craft of
Functional
Programming

Thompson



ULLMAN

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Felleisen and Friedman



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Second Edition
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The Dylan Reference Manual

Shalit

Addison
Wesley



THE C++ PROGRAMMING LANGUAGE

THIRD
EDITION

KERNIGHAN · RITCHIE

THE C PROGRAMMING LANGUAGE

SECOND EDITION

ldman

Software Construction and Data Structures with

Add 95

ADDISON
WESLEY

```
#!/usr/bin/python
# Copyright (C) 2013 Andrea Colangelo <warp10@ubuntu.com>
# Released under the terms of GNU GPL (see: http://www.gnu.org/licenses/gpl-3.0.txt)

import sys
import math

class Equation():
    def __init__(self, a, b, c):
        self.a, self.b, self.c = a, b, c
        self.delta = self.__calculate_delta()

    def __calculate_delta(self):
        return (self.b ** 2) - (4 * self.a * self.c)

    def solve(self):
        if self.delta < 0:
            print "No real solutions."
        elif self.delta == 0:
            print "Two coincident solutions: ", str(-self.b / (2 * self.a))
        else:
            sqrd_delta = math.sqrt(self.delta)
            print "First real solution: ", str((-self.b + sqrd_delta) / (2 * self.a))
            print "Second real solution: ", str((-self.b - sqrd_delta) / (2 * self.a))

    if __name__ == "__main__":
        try:
            a, b, c = sys.argv[1:4]
            a, b, c = float(a), float(b), float(c)
        except:
            print "Three numerical coefficients required. Aborting.", sys.exit()
        equation = Equation(a, b, c)
        equation.solve()
```



Mele vs. Idee

A black and white close-up photograph of Richard Stallman. He has long, dark hair and a full, bushy beard. His right hand is resting against his forehead, with his fingers partially hidden in his hair. He is looking slightly off-camera to the left with a thoughtful expression.

All'improvviso uno sconosciuto:
Richard Stallman



A close-up photograph of a young child with dark, curly hair and blue eyes. The child is looking down at a tablet device, which is partially visible in the foreground. The background is blurred, showing what appears to be a colorful patterned blanket or sofa.

**Libertà 0:
Utilizzo**

Libertà 1: Studio





**Libertà 2:
Copia**



Libertà 3:
Modifica

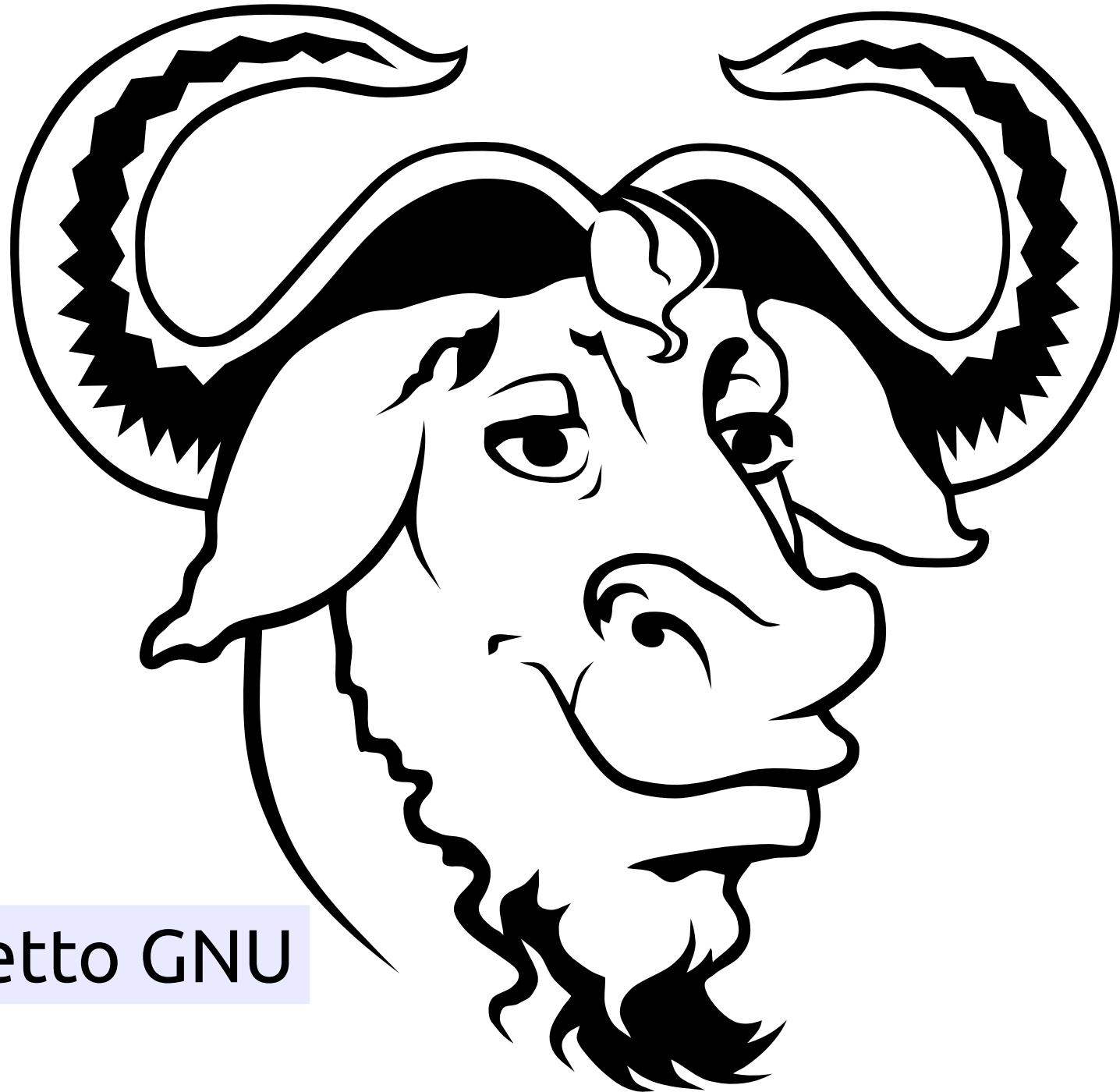
Libero ≠ gratuito!



1.130.000.000 \$

Libero è bello!
(e vantaggioso...)





1984: Il progetto GNU



Sistema operativo?
Kernel?

*Ma di che cosa stiam
discutendo? (cit.)*

Qualche sistema operativo famoso



Il kernel



A portrait photograph of Linus Torvalds, a middle-aged man with light brown hair, smiling slightly. He is wearing a light blue polo shirt. The background is a blurred outdoor scene with horizontal lines, possibly a bridge or a series of trees.

All'improvviso uno sconosciuto
(parte seconda): Linus Torvalds

← → C ⌂ groups.google.com/group/comp.os.minix/msg/b813d52cbc5a044b?pli=1

Google groups

« Groups Home

comp.os.minix

Message from discussion [What would you like to see most in minix?](#)

Linus Benedict Torvalds [View profile](#) [More options](#) Aug 26 1991, 2:12 am

Hello everybody out there using minix -

I'm doing a (free) operating system (just a hobby, won't be big and professional like gnu) for 386(486) AT clones. This has been brewing since april, and is starting to get ready. I'd like any feedback on things people like/dislike in minix, as my OS resembles it somewhat (same physical layout of the file-system (due to practical reasons) among other things).

I've currently ported bash(1.08) and gcc(1.40), and things seem to work. This implies that I'll get something practical within a few months, and I'd like to know what features most people would want. Any suggestions are welcome, but I won't promise I'll implement them :-)

Linus (torva...@kruuna.helsinki.fi)

PS. Yes - it's free of any minix code, and it has a multi-threaded fs. It is NOT portable (uses 386 task switching etc), and it probably never will support anything other than AT-harddisks, as that's all I have :-(.

*“Solo un hobby:
non sarà grande e
professionale
come GNU”...*

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L'importanza di
chiamarsi GNU/Linux



Powered By

GNU/Linux



Arrivano le “*distro*”!



Dov'è Linux oggi?





JR 500
WEST JAPAN

-230

Boarding train prohibited on route

Platform 14
Please wait at marked areas. Please wait at marked areas.

WALL ST

F22-51







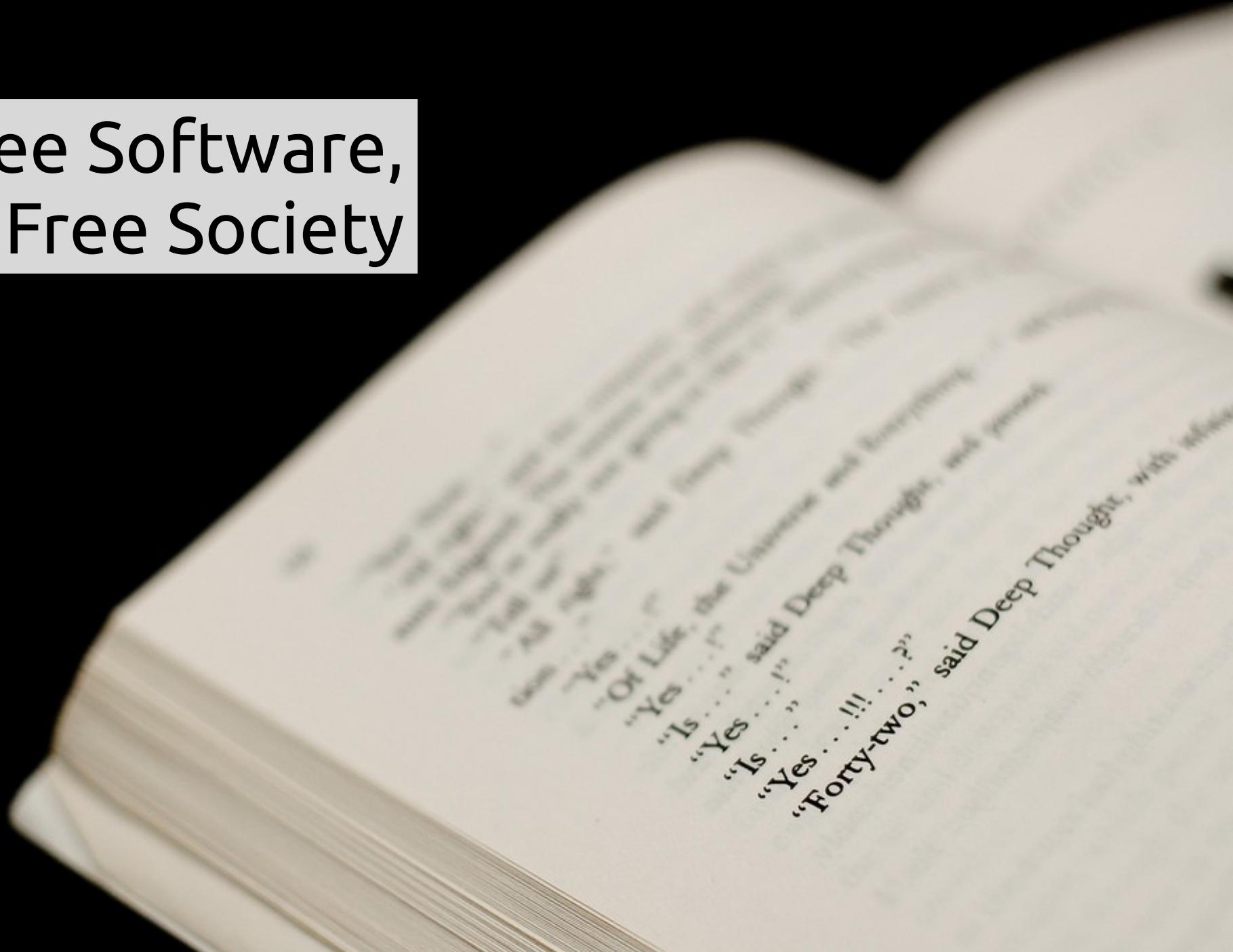






Blue Gene/P

Free Software, Free Society



Andrea Colangelo

warp10@ubuntu.com
<http://andreacolangelo.com>