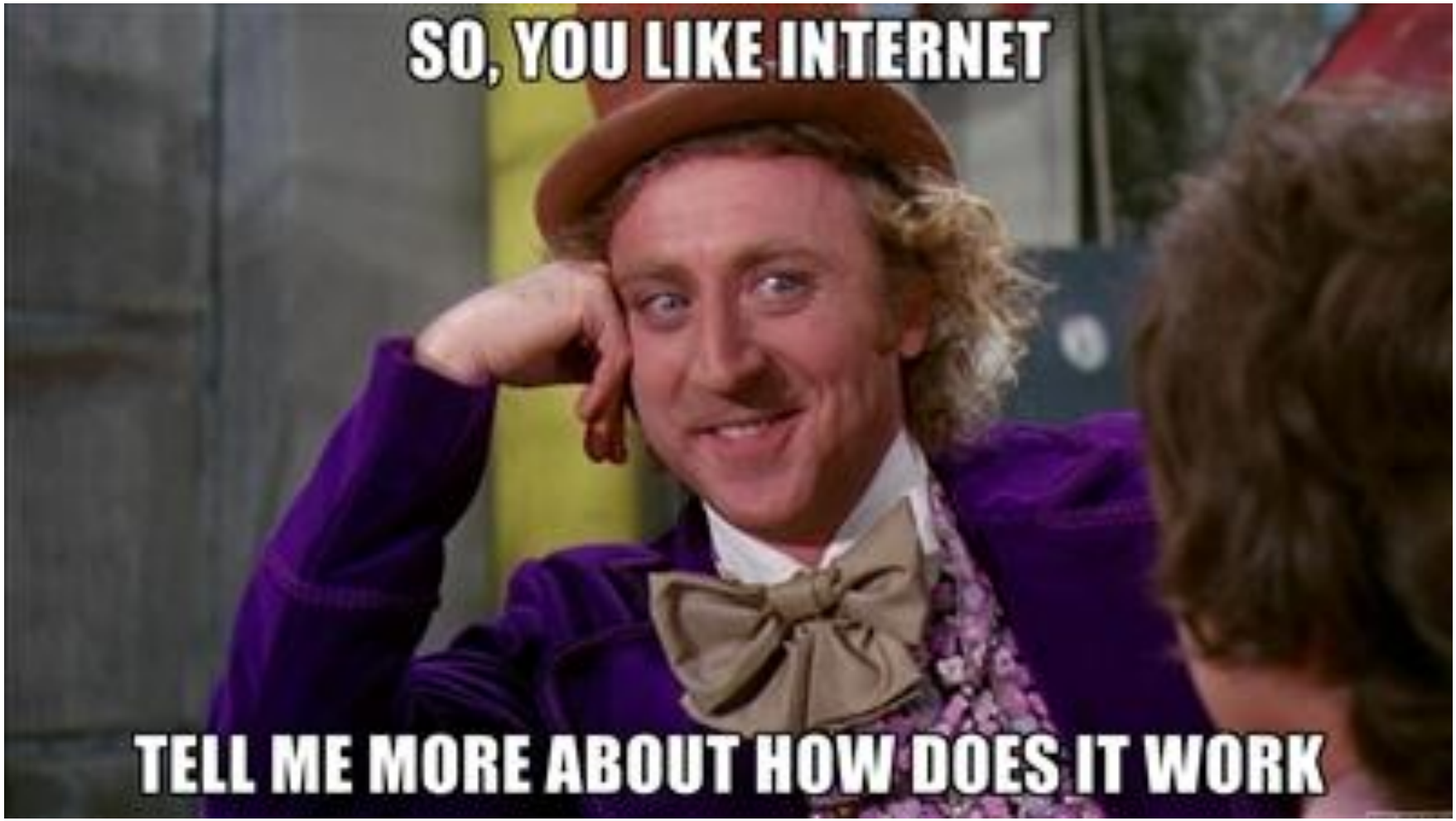
TopWay English School ®

WTF* is Internet ?

*What that fabulous

André Prisco Vargas

Internet



Internet in Brazil

- 79,9 Million users
- 5th more connected country
- 87% of brazilian Internet users use the Internet more than once per week!

Internet in World

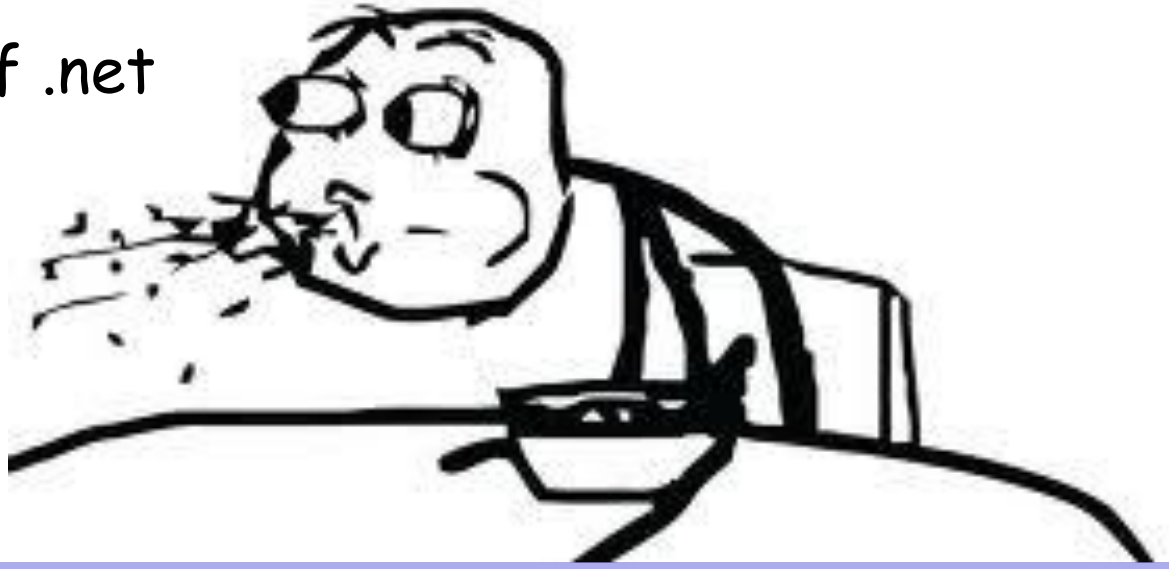
Email

- **3.146 billion** email accounts worldwide
- **360 million** – Total number of Hotmail users (largest email service in the world).
- **71%** – Percentage of worldwide email traffic that was spam (November 2011).
- **112** – Number of emails sent and received per day by the average corporate user.

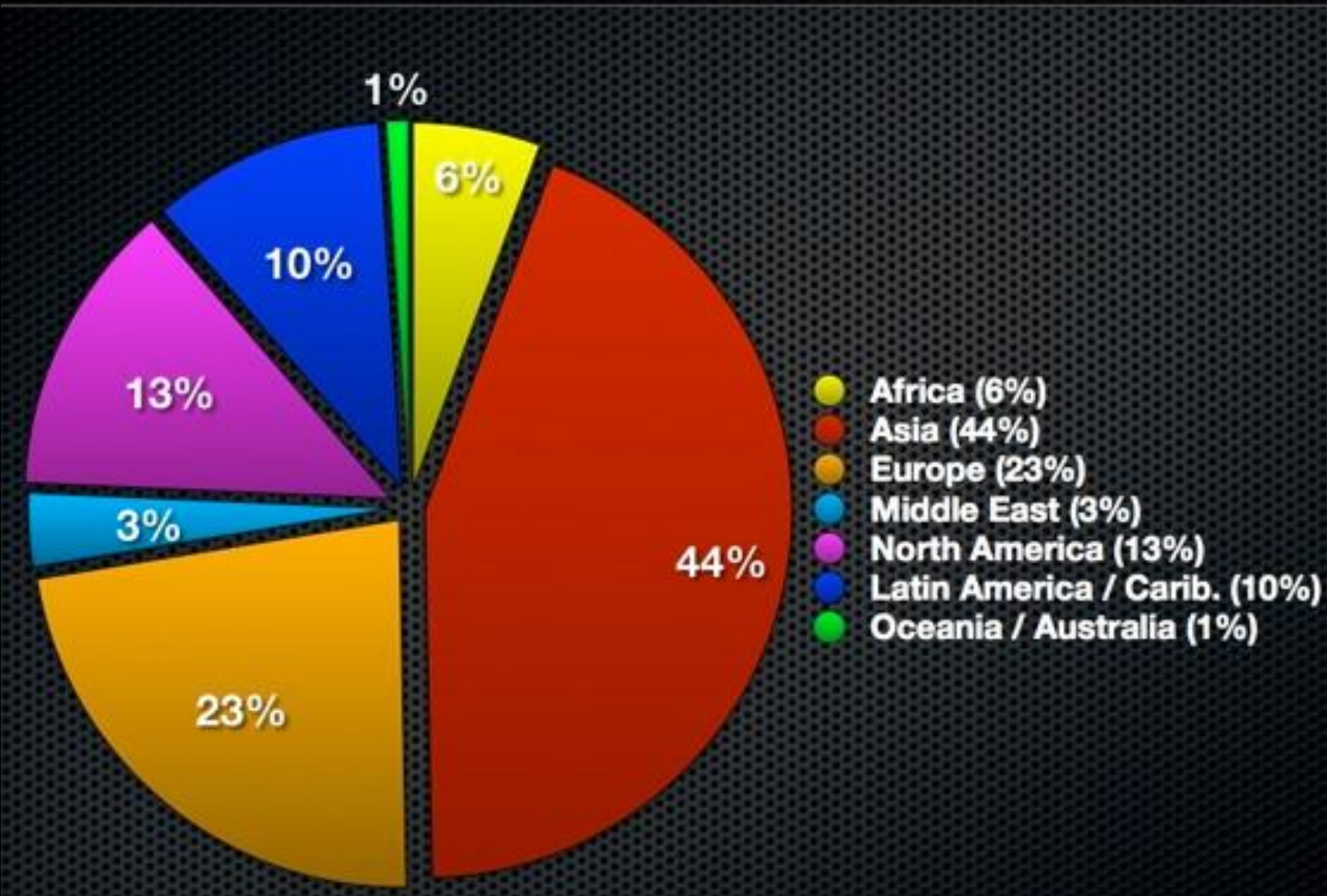
Internet in World

Web Sites

- Actually nobody knows the real numbers
- Google estimates that it can collect about 5% of the entire Web
- **95.5 million** – Number of .com domain names at the end of 2011.
- **13.8 million** – Number of .net Domains
- **9.3 million** – Number of .org domains



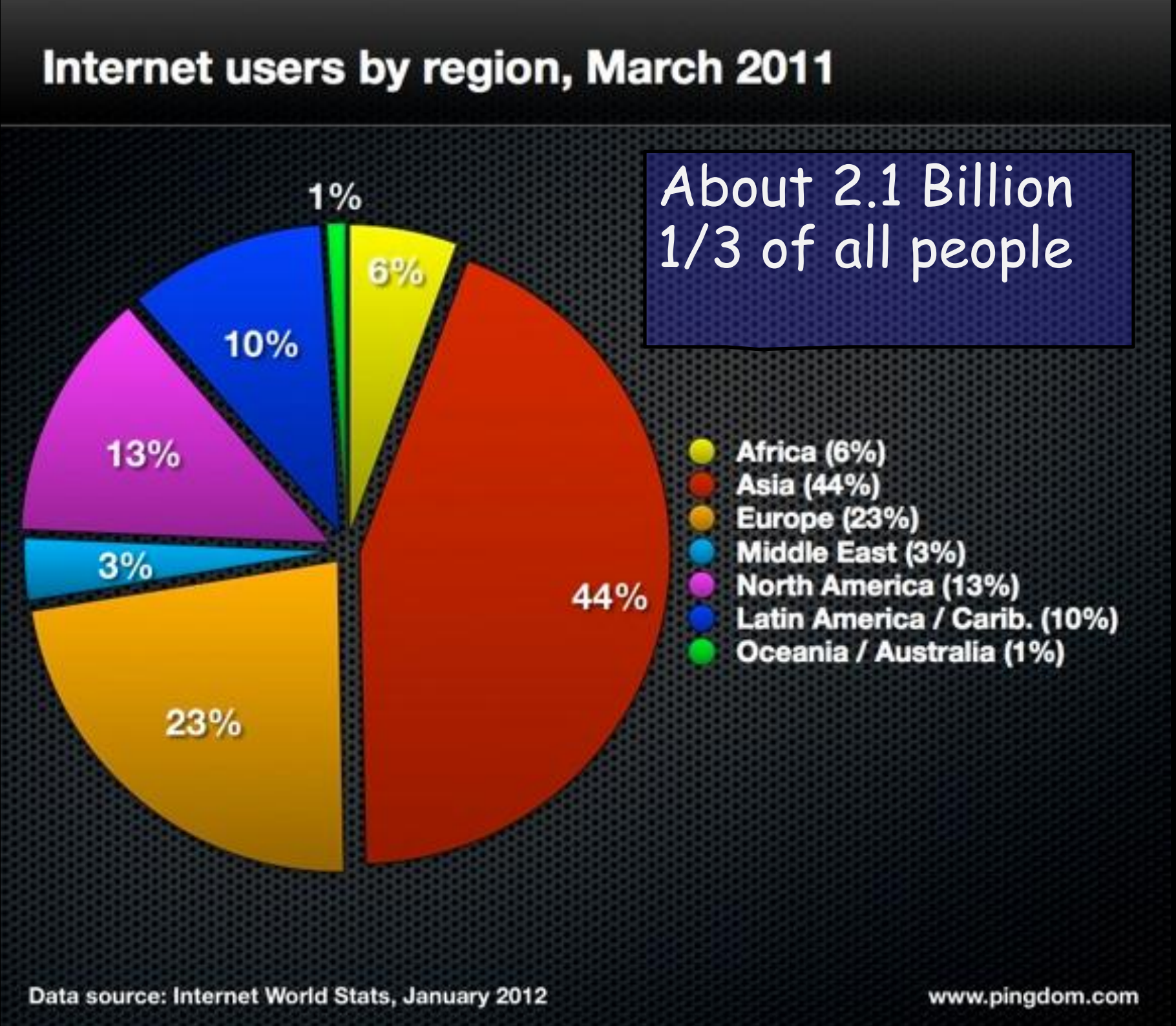
Internet users by region, March 2011



Data source: Internet World Stats, January 2012

www.pingdom.com

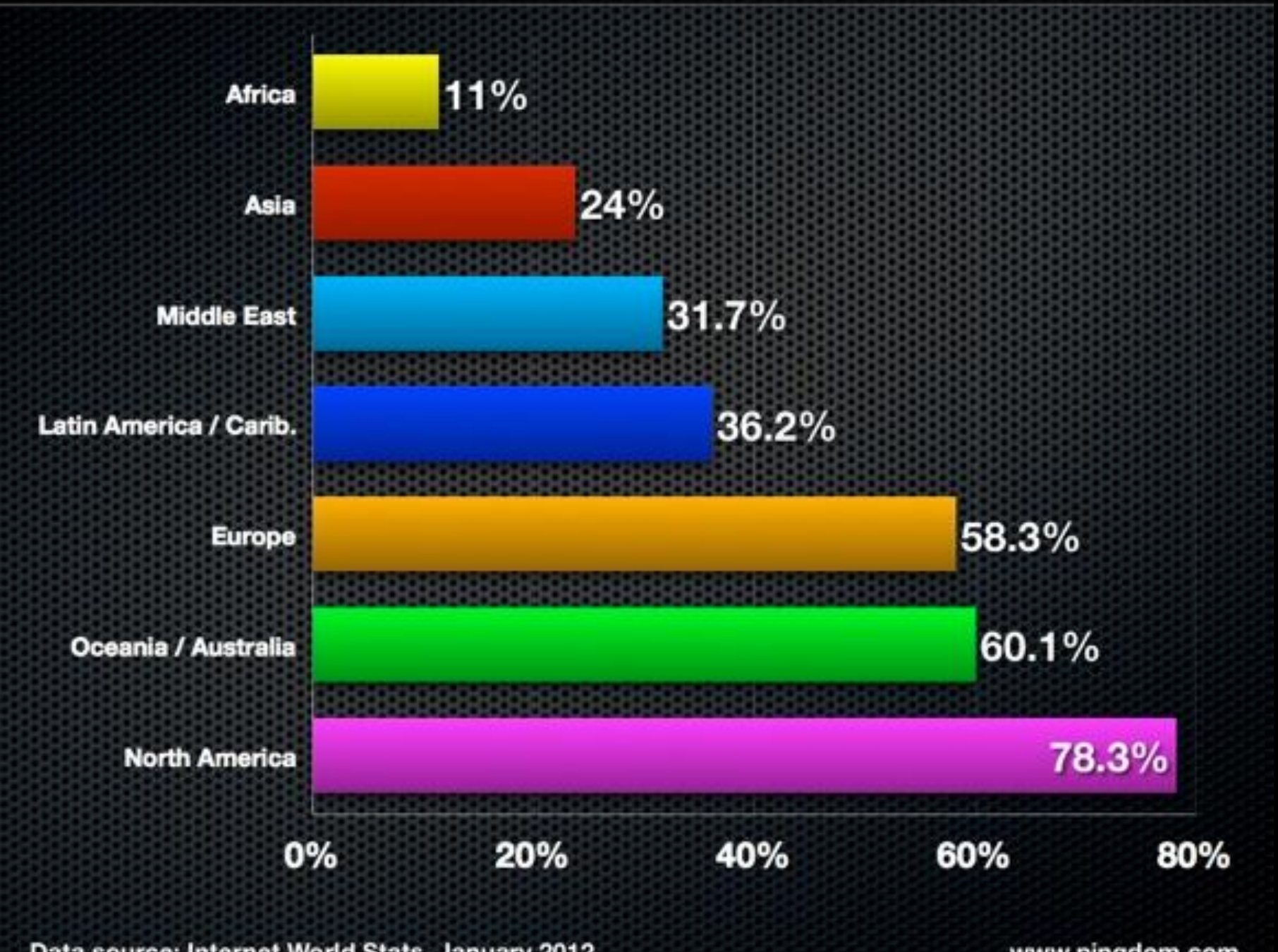
Internet users by region, March 2011



Data source: Internet World Stats, January 2012

www.pingdom.com

Internet penetration by region, March 2011



Data source: Internet World Stats, January 2012

www.pingdom.com

What Happens in an **Internet Minute?**

And **Future Growth** is **Staggering**

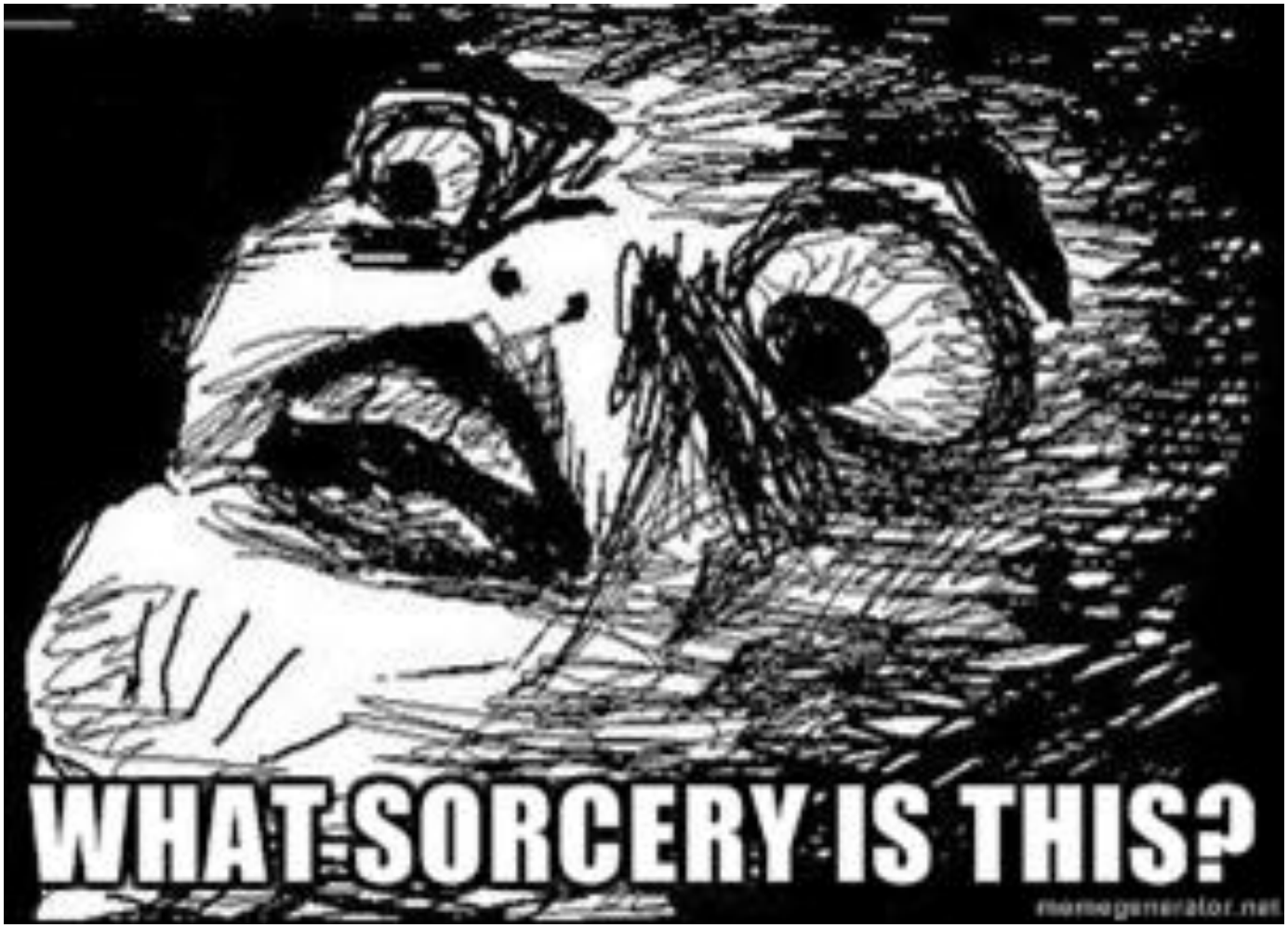
Today, the number of networked devices = the global population

By **2015**, the number of networked devices = 2x the global population

In **2015**, it would take you **5 years** to view all video crossing IP networks each **second**

intel

Internet



Let's search on the Internet, of course!!!

Before....You need to enter in Computing World Backgrounds

Binary Code

THERE ARE 10
KINDS OF PEOPLE
IN THE WORLD.
THOSE WHO
UNDERSTAND BINARY,
AND THOSE WHO DON'T.

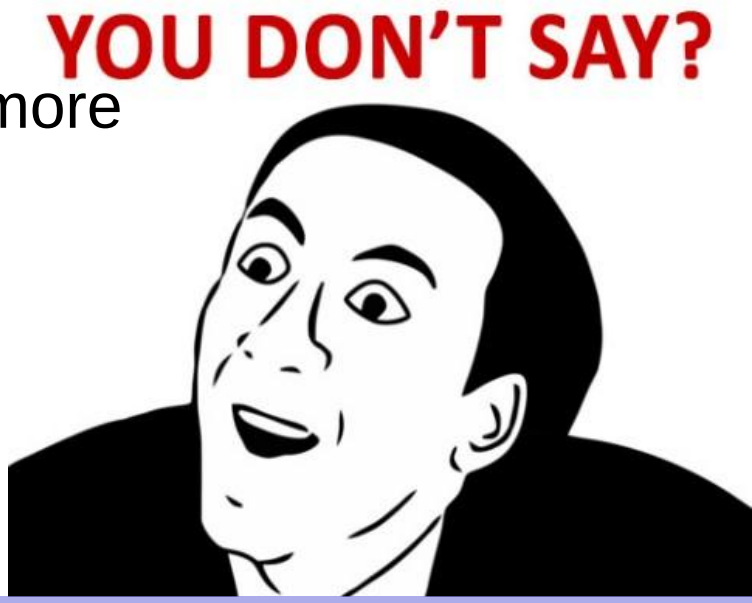
Number Code

- In our culture, we use 10 kind of numbers:
  - 0, 1, 2, 3, 4, 5, 6, 7, 8 and 9

- If you want a bigger value, you can combine the numbers

- 2
- 20
- 200
- 2000

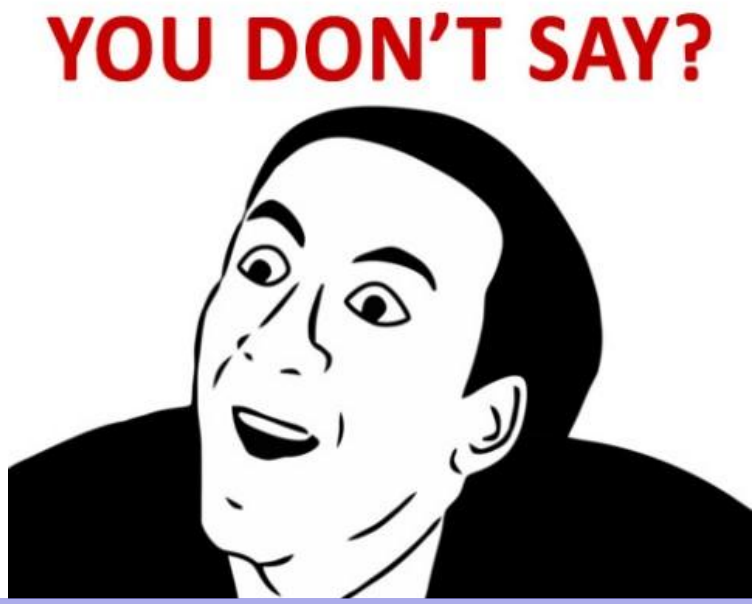
- The number on the left is worth 10 times more than the number on the right



Number Code

- *For example:*

9 + 1 = 10
10 + 9 = 19
19 + 2 = 21



Binary Code

- *It is the same thing, but we use just **two** simbols:*
  - *0 and 1*

- *For example:*

Decimal	Binary
0	0
1	1
2	1 0
3	1 1
4	1 0 0
5	1 0 1

Binary Code

THERE ARE 10
KINDS OF PEOPLE
IN THE WORLD.
THOSE WHO
UNDERSTAND BINARY,
AND THOSE WHO DON'T.

Can you understand it now?

Binary Code

- We can express text with binary code. For that, we use a binary code for each letter:

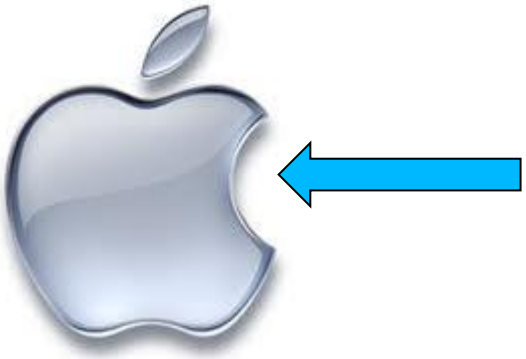
Binary	Dec	Glyph
100 0000	64	@
100 0001	65	A
100 0010	66	B
100 0011	67	C
100 0100	68	D
100 0101	69	E
100 0110	70	F
100 0111	71	G
100 1000	72	H

Number Code

1 / 0 -> BIT
1 Byte -> 8 bits

1000 Bytes ~ 1KB (Kylobyte)
1000 KB ~ 1MB (Megabyte)
1000 MB ~ 1GB (Gigabyte)
1000 GB ~ 1TB (Terabyte)
1000 TB ~ 1PB (Petabyte)
1000 PB ~ It may be all information in world.....

1GB ~ 1 Billion letters.....
Bible ~ less than 1MB

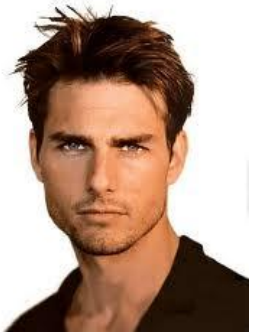


Wake UP!!!

A Net

I am a computer.
I Want to connect
with other.

A Net

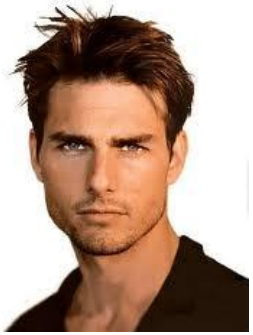


Ok. Let´s share
our binary code.

0 0 0 1 1 1 1 0 0 1

I am a computer.
I Want to connect
with other.

A Net



Ok. Let´s share our binary code.

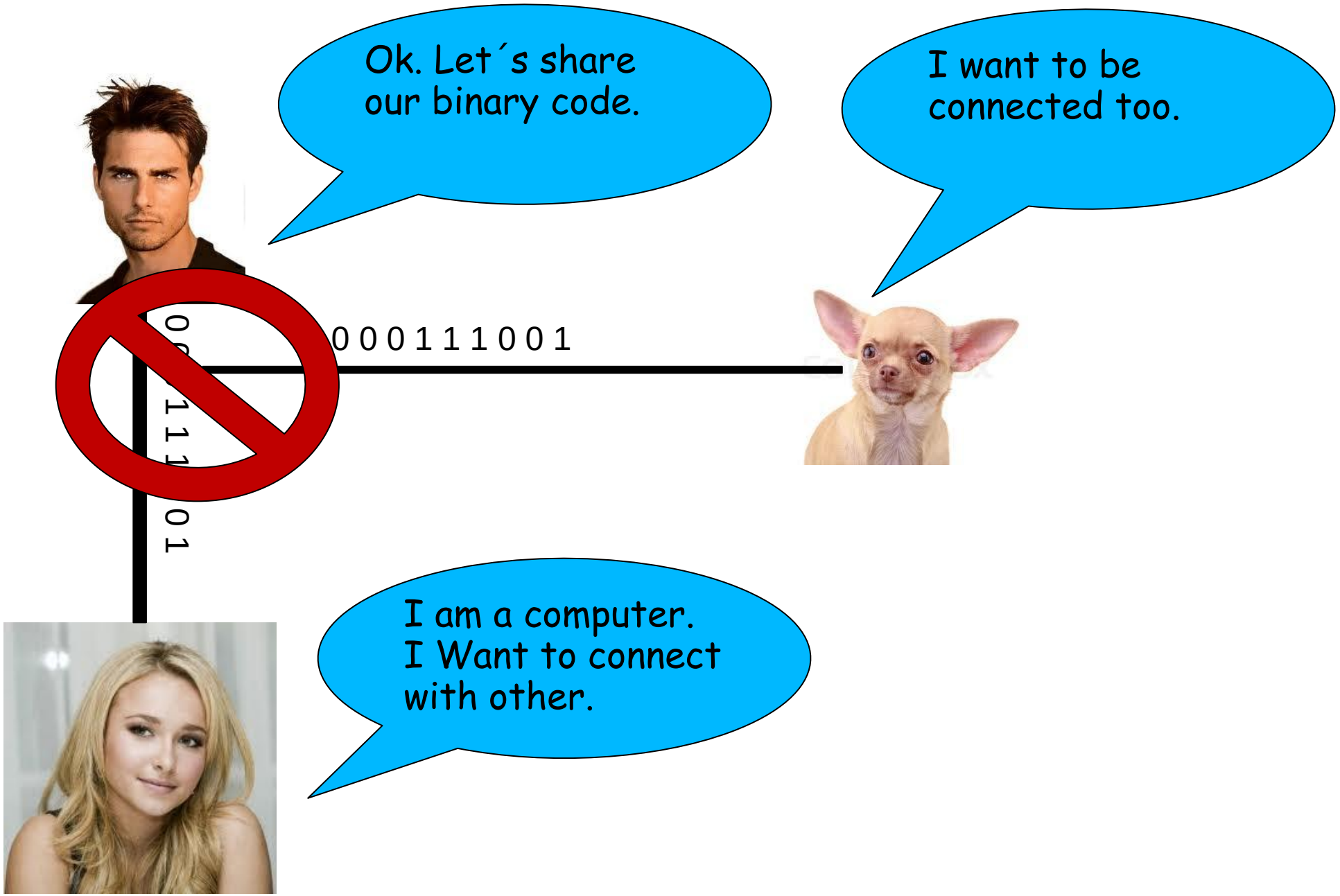
I want to be connected too.

0 0 0 1 1 1 0 0 1

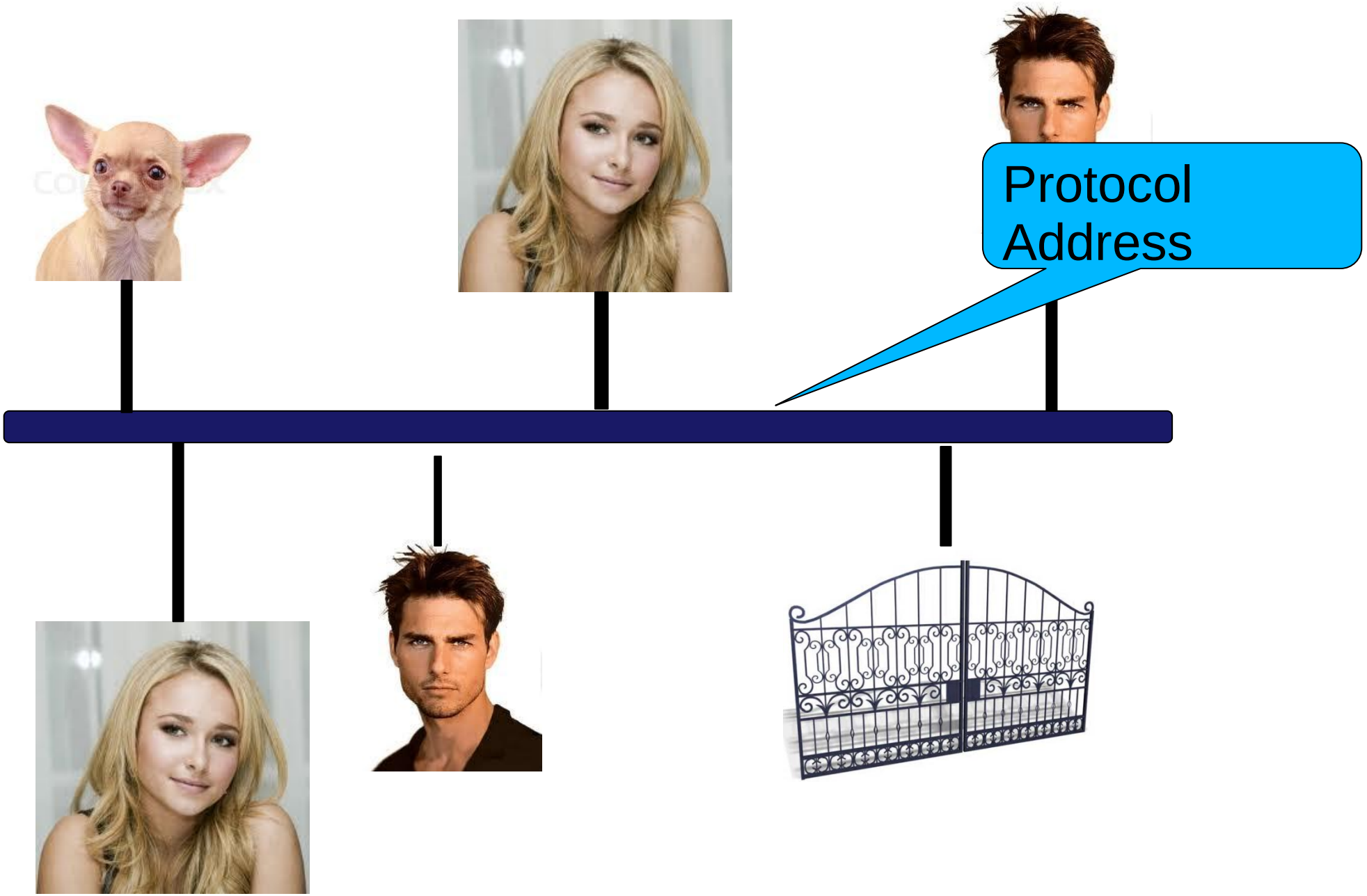
0 0 0 1 1 1 0 0 1

I am a computer.
I Want to connect with other.

A Net


Ok. Let´s share our binary code.
I want to be connected too.
0 0 0 1 1 1 0 0 1
0 0 0 1 1 1 0 0 1
I am a computer. I Want to connect with other.

A Net



Wake UP!!!

Do you know what is cold war?

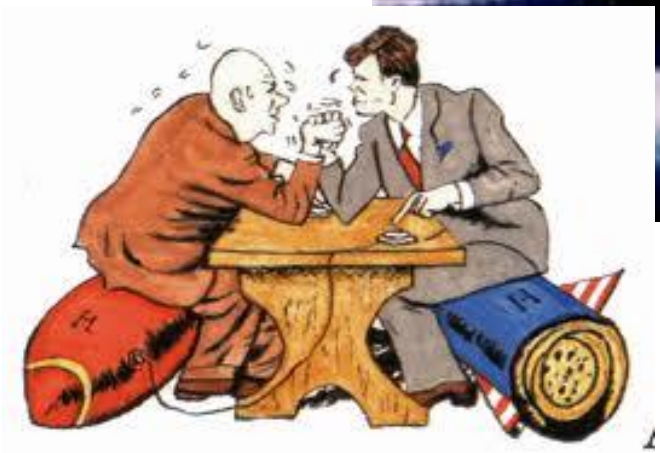
History

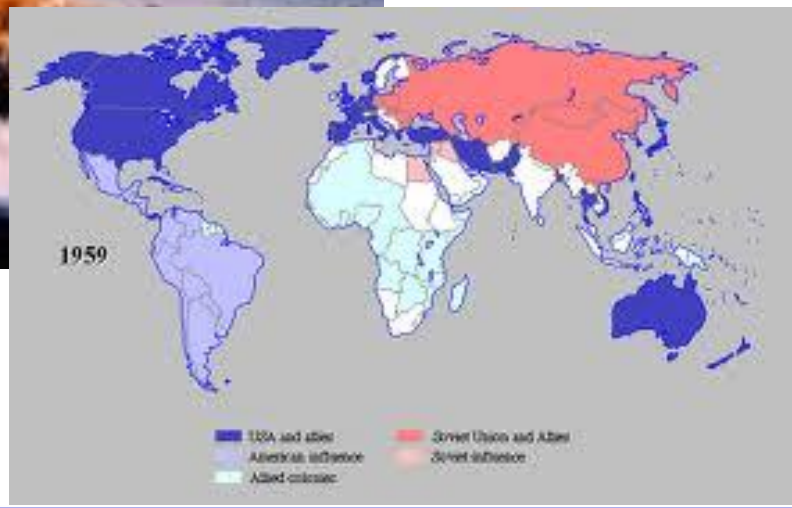
Soviet blockade:

East Berlin

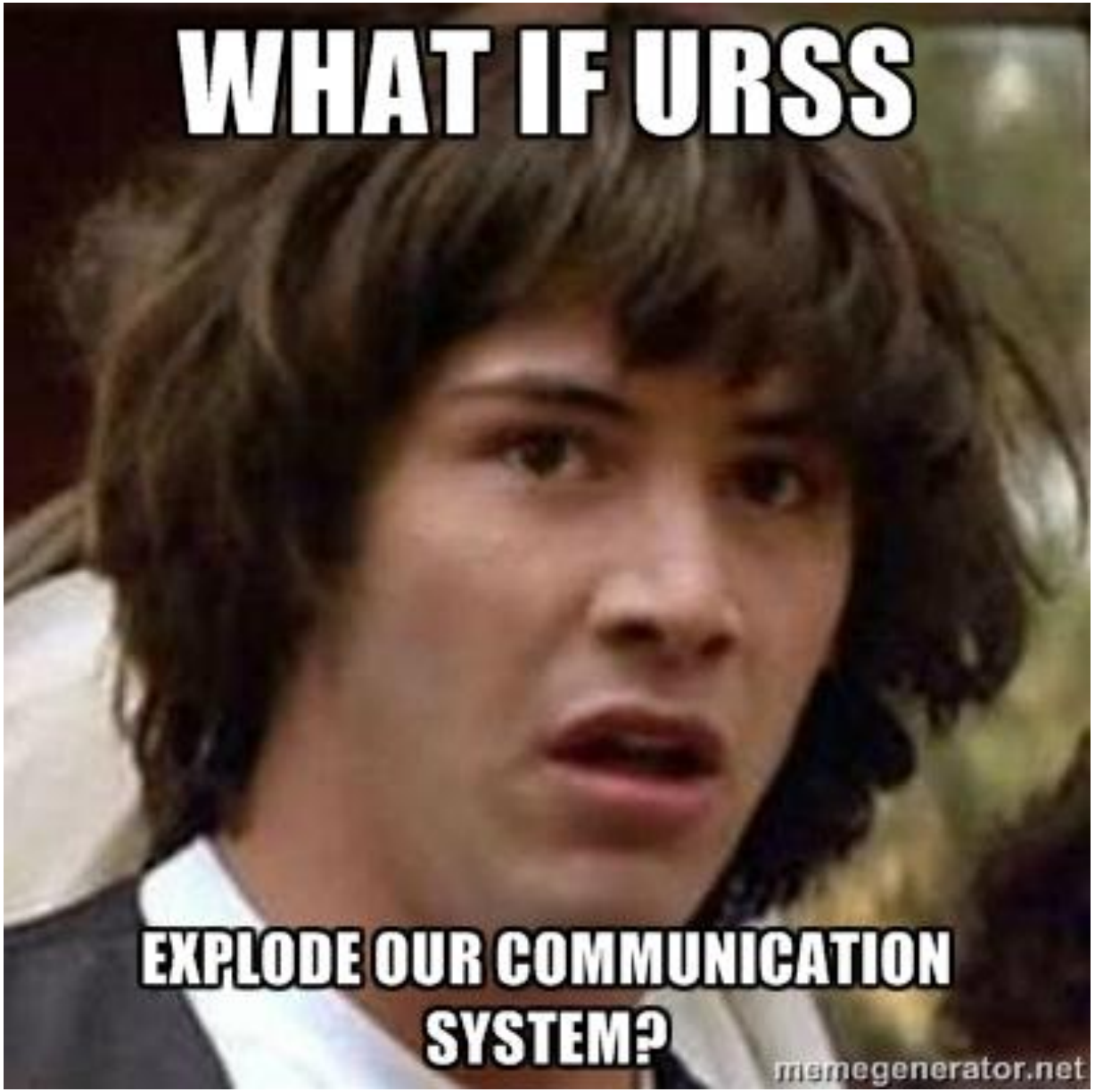
West Berlin

· In June of 1948, the French, British and American zones were joined into the nation of West Germany after the Soviets refused to end their occupation of Germany.

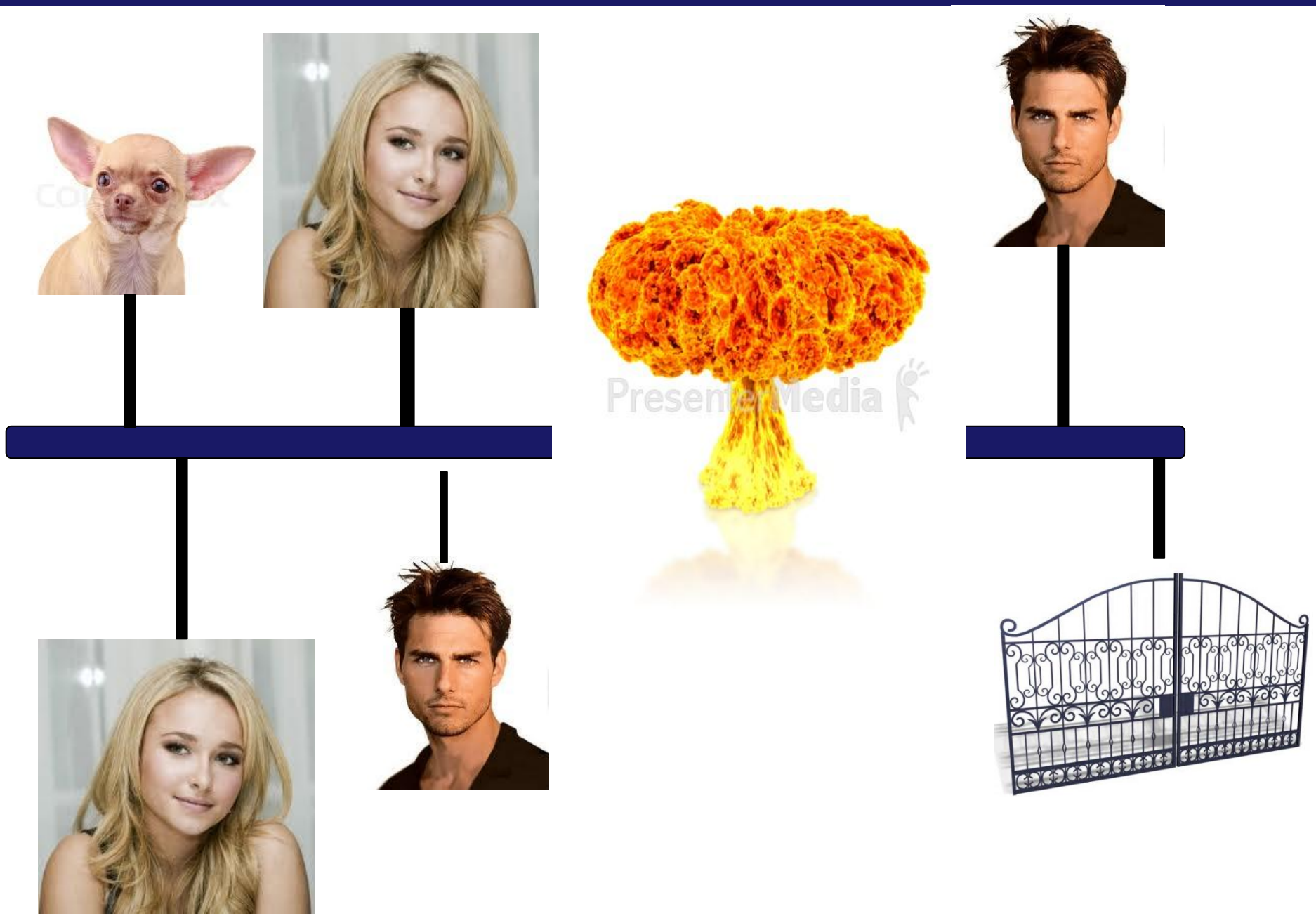




History

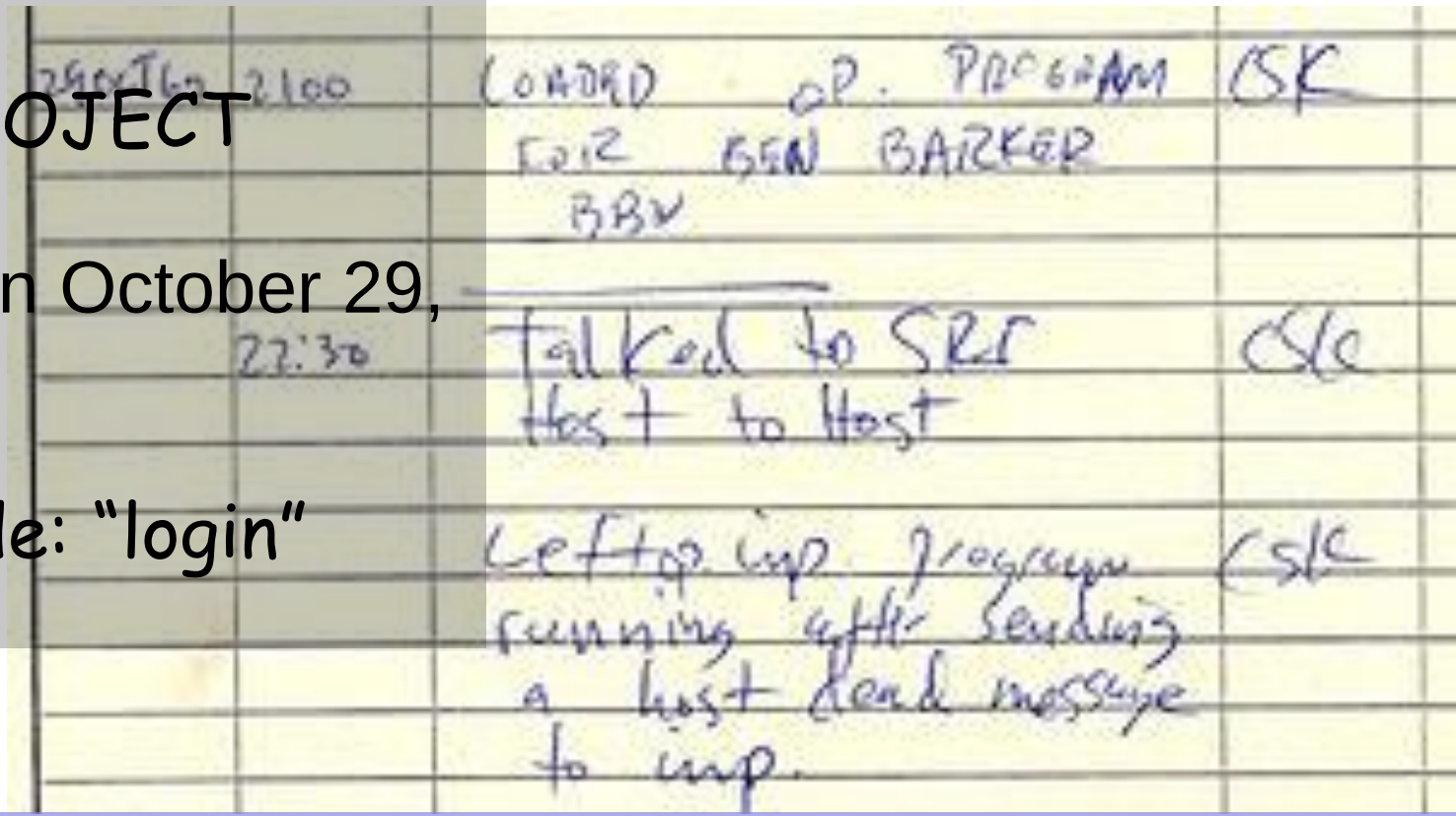

WHAT IF URSS
EXPLODE OUR COMMUNICATION SYSTEM?
memegenerator.net

History



History - DARPA

- No Centralized Structure
- Distributed Solution
- redundant structure
- ARPANET PROJECT
- 22:30 hours on October 29, 1969.
- The first code: “login”



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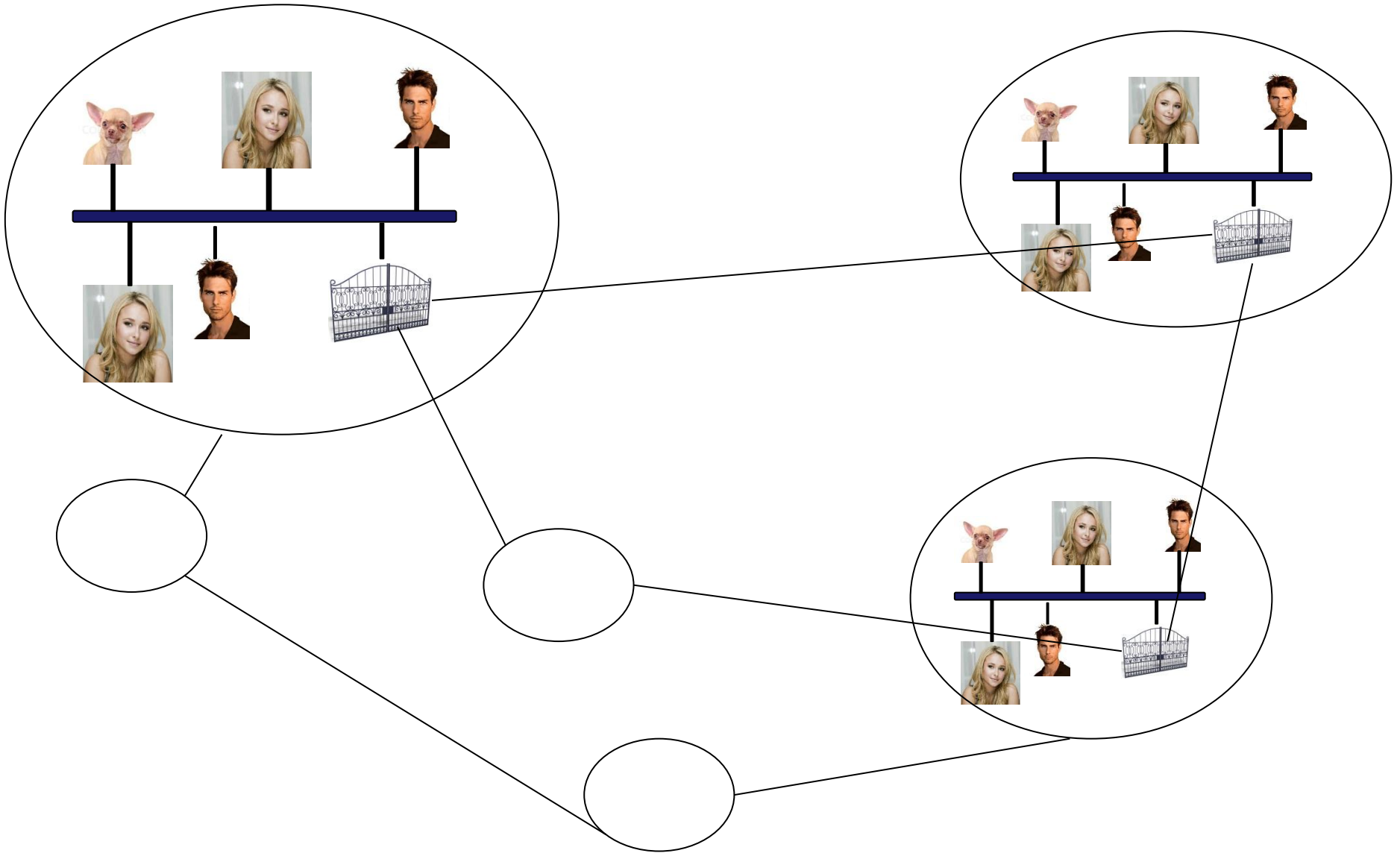
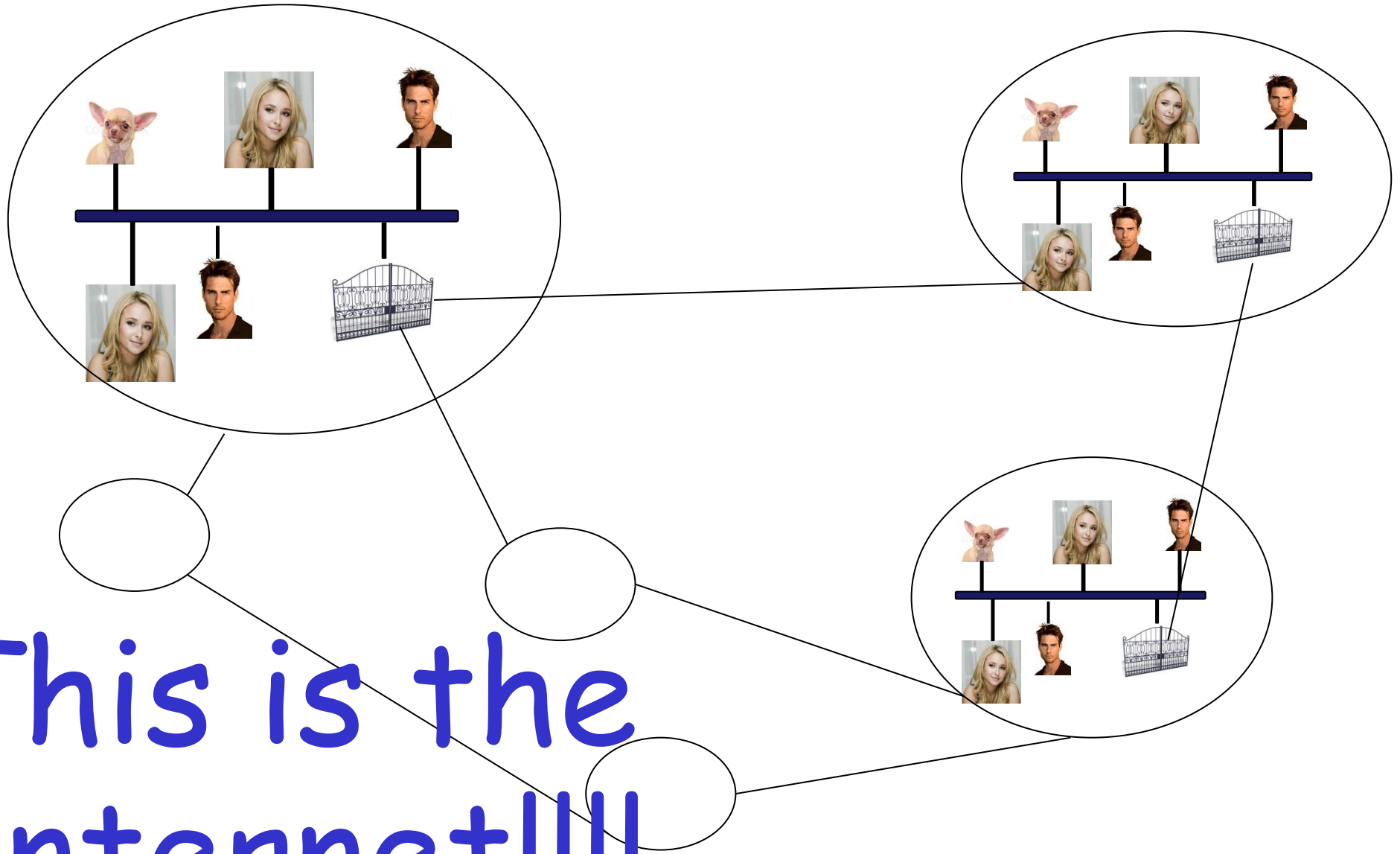
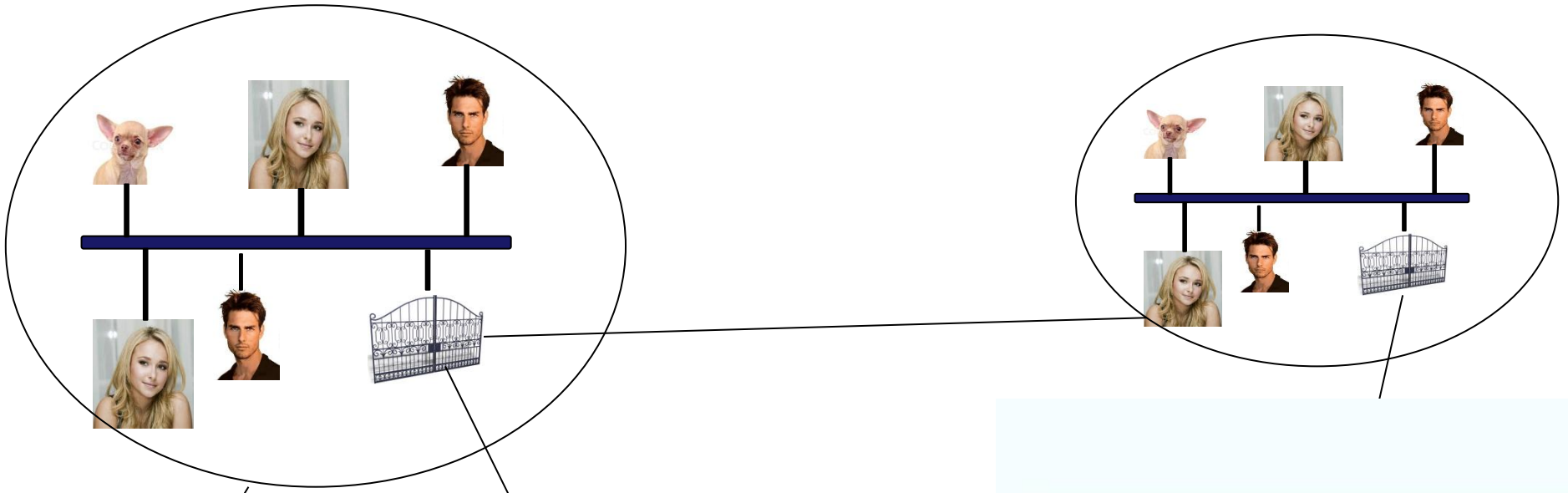


A Net



This is the Internet!!!!

A Net



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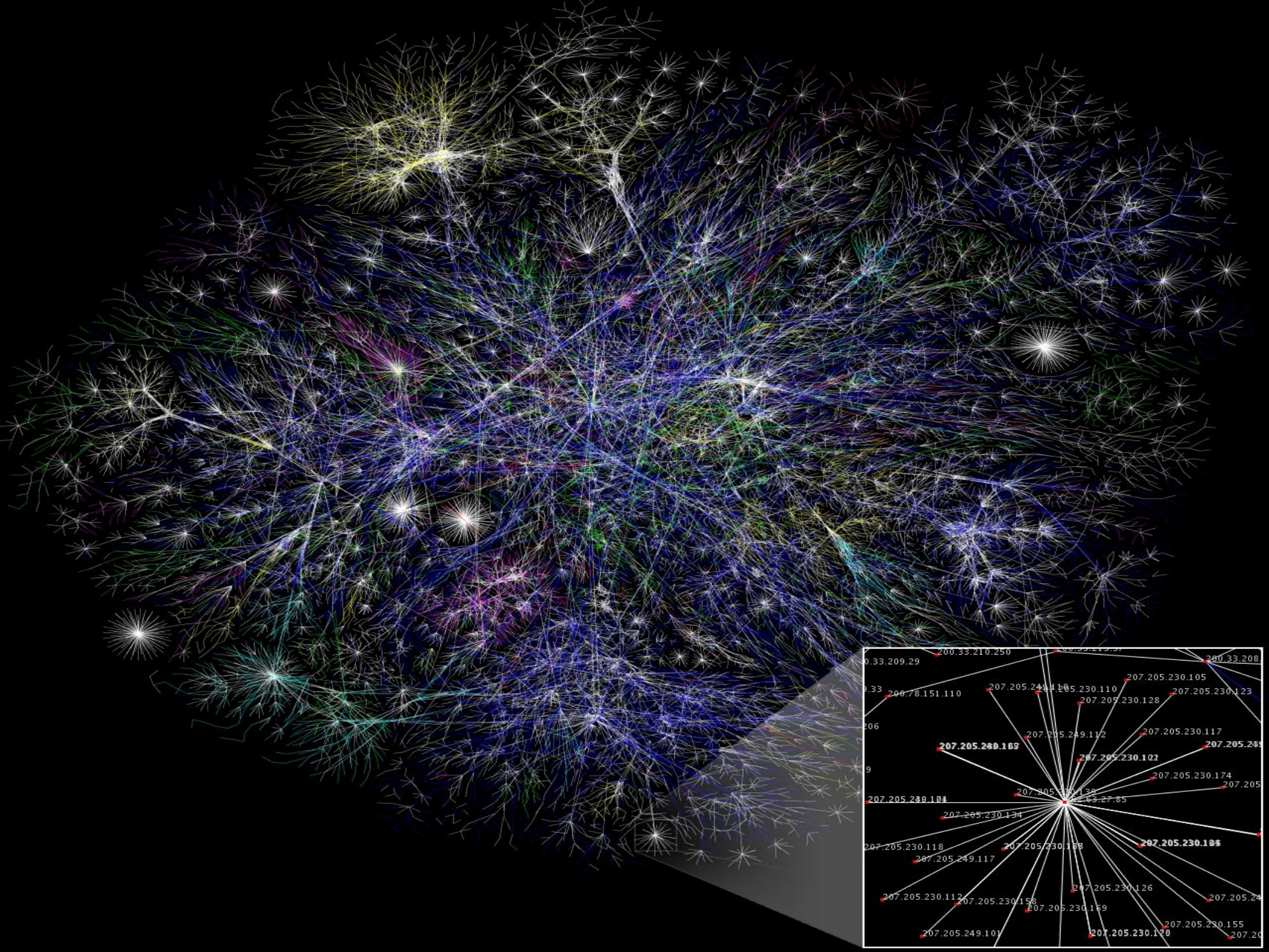
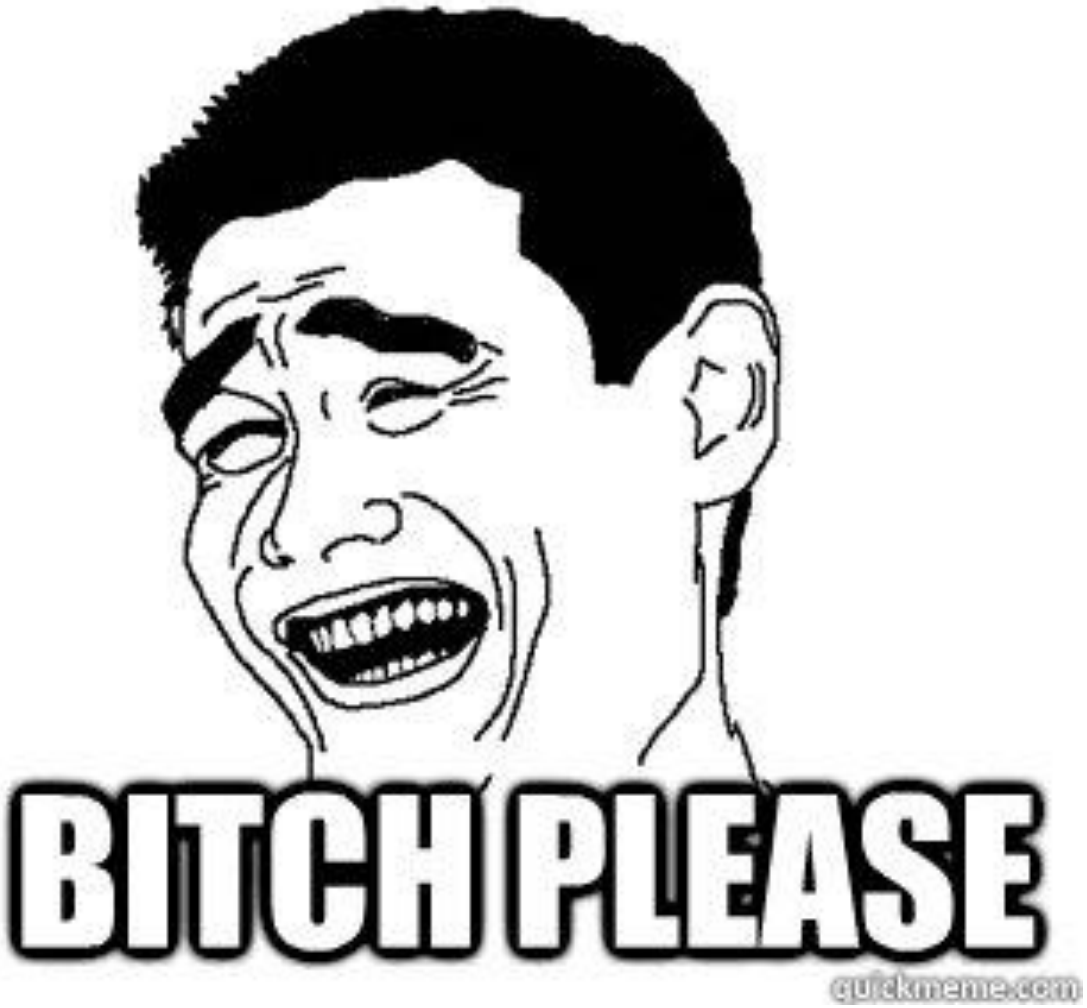

200.33.210.250
207.205.230.105
206.78.151.110
207.205.230.110
207.205.230.123
207.205.230.128
207.205.249.112
207.205.230.117
207.205.230.174
207.205.230.134
207.205.230.118
207.205.249.117
207.205.230.126
207.205.230.158
207.205.230.169
207.205.230.155
207.205.249.101

Ok. So, Internet and Web are the same thing, right?

Internet



Web

- It is just an Internet service
- Uses the HTTP protocol
- Uses the HTML language
- Uses the Navigator

Web

- Imagine a World without Microsoft Word, or Power Point
- Write academic papers used to be a very hard task
- The citations and references were difficult to follow

C:\Editors_MS-DOS\qedit215\Q.EXE

```
L 1        C 1      IA      237k      c:\editors\_ms-dos\qedit215\qedit.doc

 File   Window   Block   Search   Print   Macro   Editing   Other   Quit

  Load                QEdit(R) Advanced
  File                the "quick editor"
  Save
  Quitfile          Version 2.1 (February 1990)
(  Next             EAD.ME" for additional v2.15 documentation)
  Prev
  Read
  Changename         F E R E N C E   M A N U A L
  Writeblock
P  Globalfile         this is the shareware version of the documentation.
T  Os shell          mercial version includes an indexed, bound manual.
  lisT


                       SemWare(R)
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                Marietta, GA  30062-5022

                 VOICE: (404)  641-9002
                 FAX:   (404)  640-6213
                 BBS:   (404)  641-8968

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    ____|__     |                (R)
 --|       |    |-------------------
   |   ____|__  |  Association of
   |  |       |_|  Shareware
   |__|   o   |    Professionals
 -----|   |   |---------------------
      |___|___|    MEMBER

This program is produced by a member of the Association of Shareware
Professionals (ASP). ASP wants to make sure that the shareware
```

others, which might diminish an individual's social capital. However, this perspective has received strong criticism (Bargh & McKenna, 2004). Moreover, some researchers have claimed that online interactions may supplement or replace in-person interactions, mitigating any loss from time spent online (Wellman, Haase, Witte, & Hampton, 2001). Indeed, studies of physical (e.g., geographical) communities supported by online networks, such as the Netville community in Toronto or the Blacksburg

Web

Bargh, J., & McKenna, K. (2004). The Internet and social life. *Annual Review of Psychology*, 55(1), 573–590.

Bargh, J. A., McKenna, K. Y., & Fitzsimons, G. M. (2002). Can you see the real me? Activation and expression of the "true self" on the Internet. *Journal of Social Issues*, 58(1), 33–48.

Boase, J., Horrigan, J. B., Wellman, B., & Rainie, L. (2006). The strength of Internet ties. *Pew Internet and American Life Project*. Retrieved May 20, 2006 from http://www.pewinternet.org/pdfs/PIP_Internet_ties.pdf

Bourdieu, P., & Wacquant, L. (1992). *An Invitation to Reflexive Sociology*. Chicago: University of Chicago Press.

Cassidy, J. (2006, May 15). Me media. *The New Yorker*, 50–59.

Coleman, J. S. (1988). Social capital in the creation of human capital. *American Journal of Sociology*, 94(Supplement), S95–S120.

Cummings, J., Lee, J., & Kraut, R. (2006). Communication technology and friendship during the transition from high school to college. In R. E. Kraut, M. Brynin, & S. Kiesler (Eds.). *Computers, Phones, and the Internet: Domesticating Information Technology* (pp. 265–278). New York: Oxford University Press.

HTML

- You can format your text, maths, graphics....
- Each citation is a connection to the reference
- This is the Web!!!

Conclusion

```
<html>
<body>

<a href="http://www.w3schools.com">
This is a link</a>
<UL>
<LI> A Item </LI>
<LI> Another Item </LI>
<LI> <font color='red'> Its´s Red! <b>And Bold</b> </font> </LI>

</UL

</body>
</html>
```

Conclusion

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```

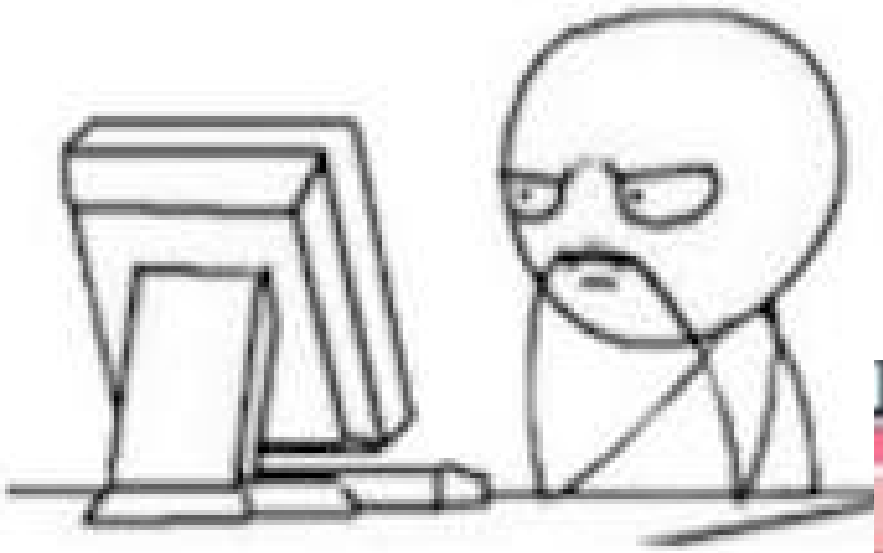
This is a link

- A Item
- Another Item
- Its´s Red! **And Bold**

Conclusion

- The Internet is the greatest communication structure built ever!
- It can safe the majory of the humanity information
- But, you use for.....

Conclusion



TopWay English School ®

Thank you!!!

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