

TechSoc Main Quiz Finals

Ramanathan V. Guha is an Indian computer scientist. He graduated with B.Tech (Mechanical Engineering) from Indian Institute of Technology Madras, MS(Mechanical engineering) from University of California Berkeley and Ph.D(Computer science) from Stanford University.

In 1994, he joined Apple Computers where he developed the Meta Content Framework (MCF) format. In 1997 he joined Netscape Corporation where together with Tim Bray, he created a new version of MCF that used the XML language and which became the main technical precursor to W3C's Resource Description Framework (RDF) standard.

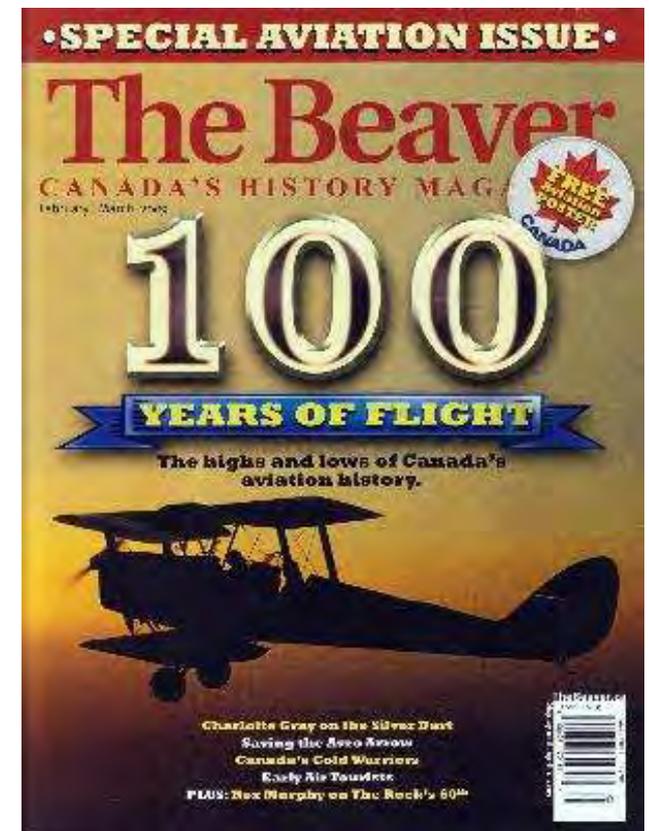
Guha also contributed to the "smart browsing" features of Netscape 4.5 and was instrumental in Netscape's acquisition of the Open Directory Project. In March 1999, he created the first version of **X** as part of Netscape's personalized home page project.

Since May 2005, he has been working at Google.

X ???

- RSS (Really Simple Syndication)

Connect



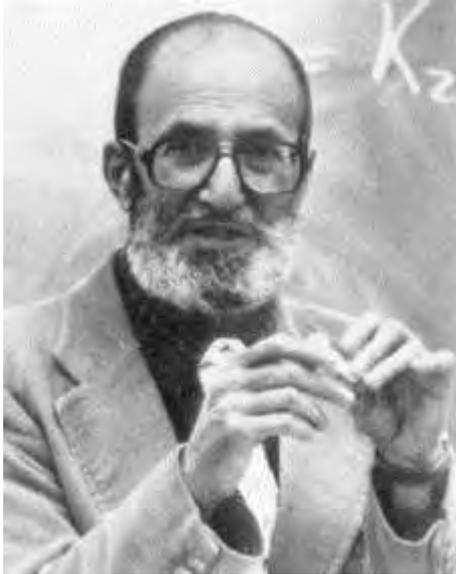
Programme Information **10:59**

Live Ford Super Sunday - Live Ford Super

16:00-19:00 Sun 18 511 SkySpts1 **W/S**

Manchester City take on [redacted] at the Etihad Stadium in the Barclays Premier League. The [redacted] were one of two teams to win here last season, claiming a 3-0 win in October 2010.

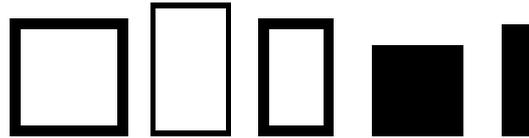
- Scunthorpe Effect



The man inset is a Hungarian born American mathematician who made advances in several areas in Math. He was widely regarded as a great Mathematical expositor. He is well known for his eponymous symbol which he used in his papers after seeing its usage in magazines. What is his symbol used for?

Answer

Halmos symbol or end of proof symbol. Replacing QED.



One version for the origin of this name is that "X" originated from the suggestion of David Houston, a fellow inventor, was said to have chosen "X" as a nickname of his home state, North Dakota.

The actual inventor had been a fan of one particular English letter. He is quoted as saying, "it seems a strong, incisive sort of letter." He and his mother devised the name X with an anagram set.

X, a giant in their field, recently quit their one of their key business to improve margins.

Kodak

- NoDak–Northern Dakota
- K was Eastman's favorite letter

X, billed as "3 Hours of Geeks & Music," is a special event featuring music, comedy, readings, short films, and demonstrations. Shows in 2009 (v1.x) took place in two locations: the Swedish American Hall in San Francisco, California on October 19 and 20 and Largo in Los Angeles, California on October 21.

X is a geek-reference to a very famous music festival Y.

X ??





3 HOURS OF GEEKS + MUSIC

ENTRANCE TO THE CONVENTION, WALKING TOURS AND

ADMI SWING ML MENTOR PHIL + STORH

Handwritten signatures and text, including 'Phil + Storh'.

- w00tstock

FITB. Put Fundaes

_____ with Caramel Sauce.

Ingredients.

100 g flour

250 g butter

1 egg

Method.

Sift the flour. Put flour into mixing bowl. Serve with caramel sauce. Stir for 2 minutes. Remove egg. Rub the flour until sifted. Stir for 2 minutes. Fold the butter into the mixing bowl. Pour contents of the mixing bowl into the baking dish.

Serves 1.

Caramel Sauce.

Ingredients.

1 cup white sugar

1 cup brown sugar

1 vanilla bean

Method.

Fold white sugar into mixing bowl. Put white sugar into mixing bowl. Fold brown sugar into mixing bowl. Clean mixing bowl. Put white sugar into mixing bowl. Remove vanilla bean. Fold white sugar into mixing bowl. Melt white sugar. Put vanilla bean into mixing bowl. Refrigerate. Heat white sugar until melted. Put white sugar into mixing bowl. Remove vanilla bean. Fold white sugar into mixing bowl. Caramelize white sugar. Put vanilla bean into mixing bowl. Refrigerate. Cook white sugar until caramelised. Put white sugar into mixing bowl. Serve with caramel sauce. Fold brown sugar into mixing bowl. Put white sugar into mixing bowl. Add vanilla bean. Serve with caramel sauce. Add brown sugar.

Generating the first 100 Fibonacci numbers in the language Chef.

X refers to a group of metaphors that share a common meaning: a self-sustaining process that proceeds without external help.

The term is often attributed to Rudolf Erich Raspe's story *The Surprising Adventures of Baron Munchausen*, where the main character pulls himself out of a swamp by his hair (specifically, his pigtail), and the Baron does not, in fact, pull himself out

_____ .

Instead, the phrase appears to have originated in the early 19th century United States (particularly in the sense "pull oneself over a fence _____"), to mean an absurdly impossible action.

X ??

- Bootstrapping

Types of what ?

- 1 Kernighan & Ritchie Style
- 2 Allman style
- 3 BSD KNF(Kernel Normal Form) style
- 4 Whitesmiths style
- 5 GNU style
- 6 Horstmann style
- 7 Pico style
- 8 Banner style
- 9 Lisp style
- 10 Compact Control Readability style

Lately, the Allman style has become the standard and has been widely used.

- Code Indentation style.

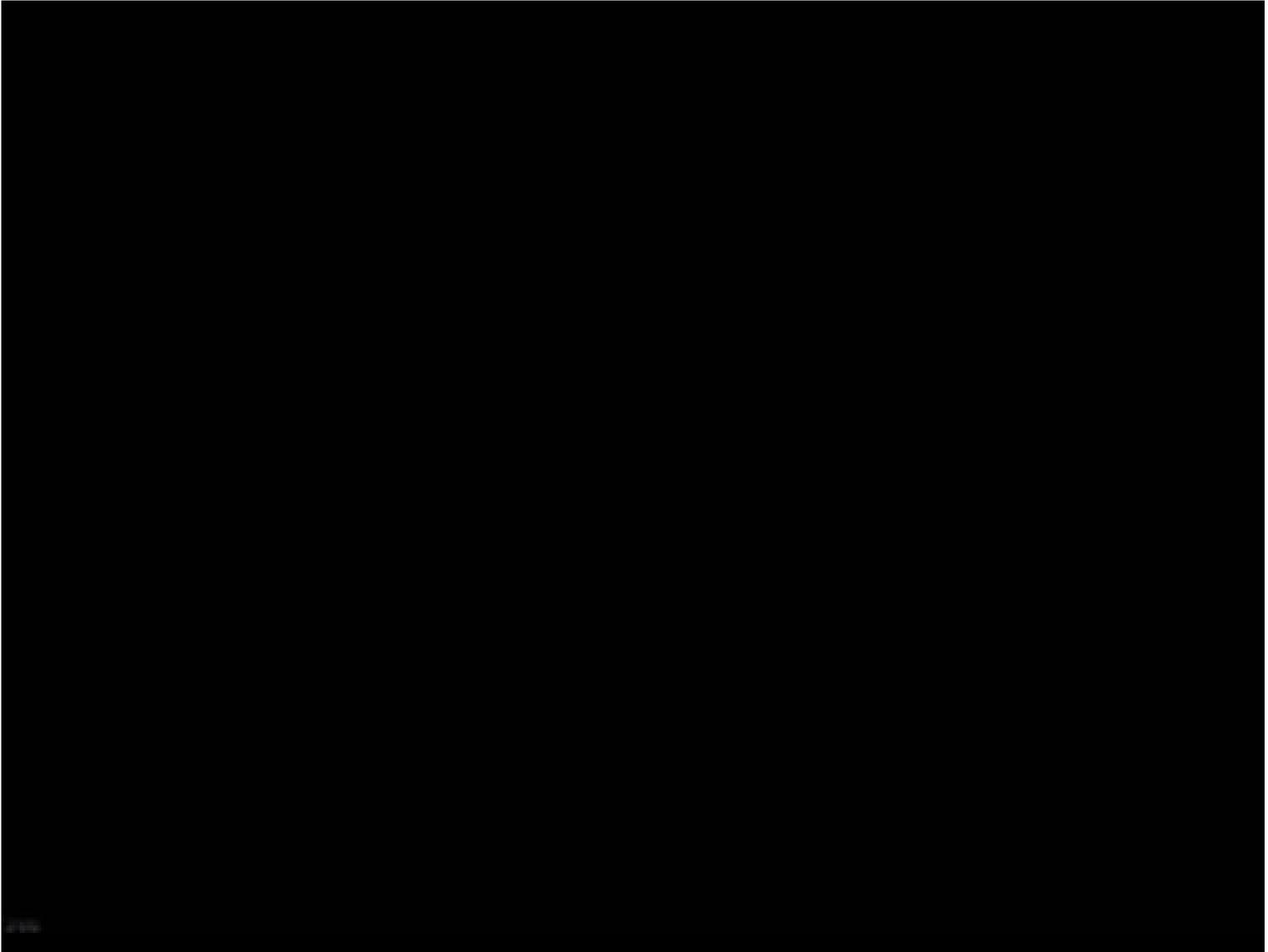
Put fundaes



- Flower Clock created by Linnaeus.

The flower clock was a garden plan hypothesized by Carolus Linnaeus that would take advantage of several plants that open or close their flowers at particular times of the day to accurately predict the time.

Who's being described?



The Most Interesting Man on Earth.

Theme Round

Rules

- 10 Questions. +5/0 for each question.
- Bonus 5 points for identifying the meme.

TWO WENCHES
ONE GOBLET

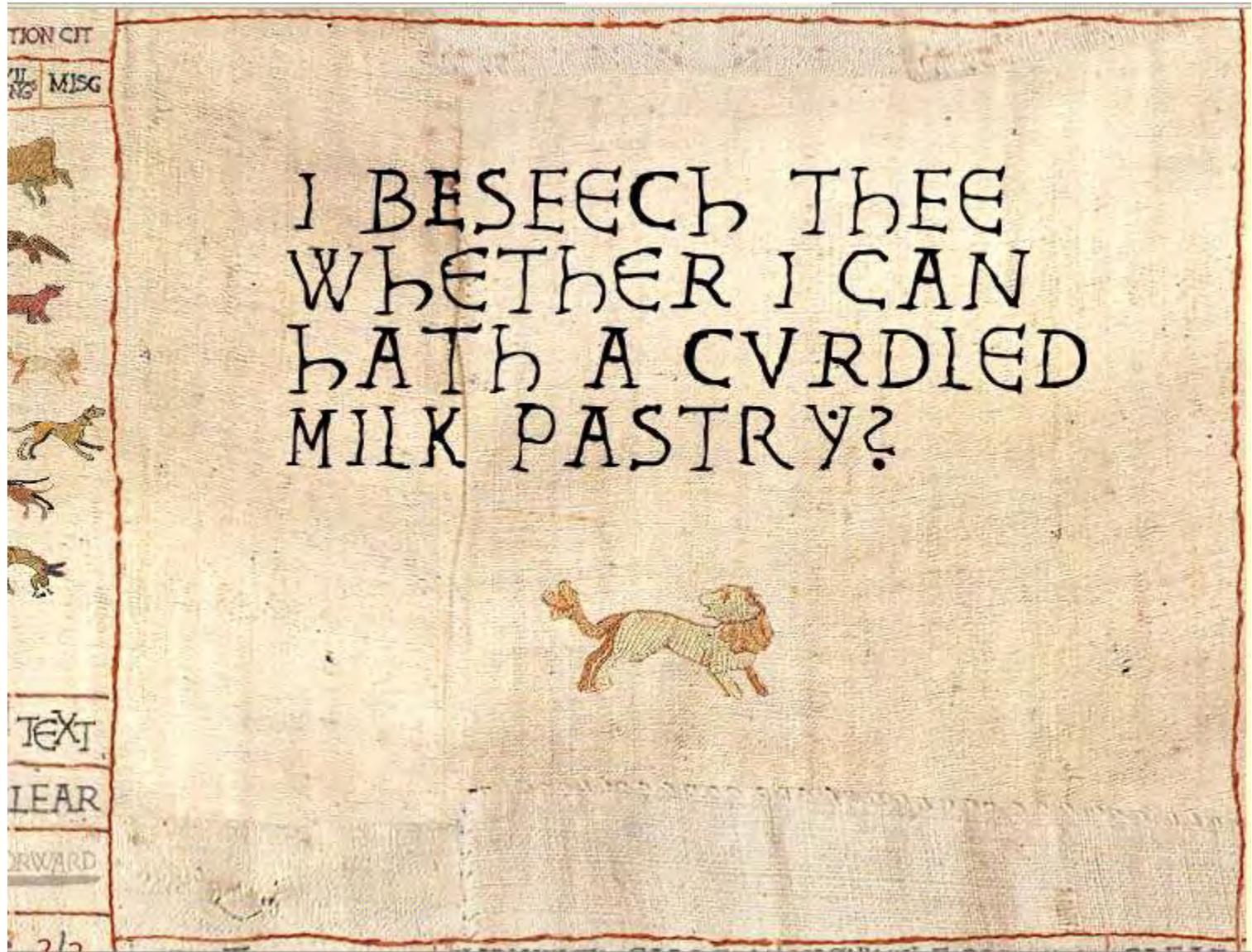


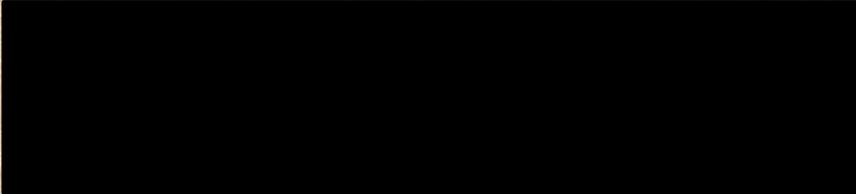
STRIKETH ME NOT WITH YON LIGHTNING BOX
BRETHREN!! STRIKETH ME NOT WITH YON
LIGHTNING BOX!! I MADETH NO OFFENCE!!!

ALACK!! ALAAACK!!
ALAAA AAAAAAACK!!!!!!









WEBBE PORTRAITS GVILDS CRIER KINGDOM

THINE QVERY? NVDE DVCHESSES

HIE THEE
HENCE!

FEELEST THOV
FOVRTVNATE?



I HATH HEARDTH
THAT THOV LIKETH
KIPS OF THE MVD

FASCINATING TALE
O KINSMAN OF MINE











Answers

STRIKETH ME NOT WITH YON LIGHTNING BOX
BRETHREN!! STRIKETH ME NOT WITH YON
LIGHTNING BOX!! I MADETH NO OFFENCE!!!

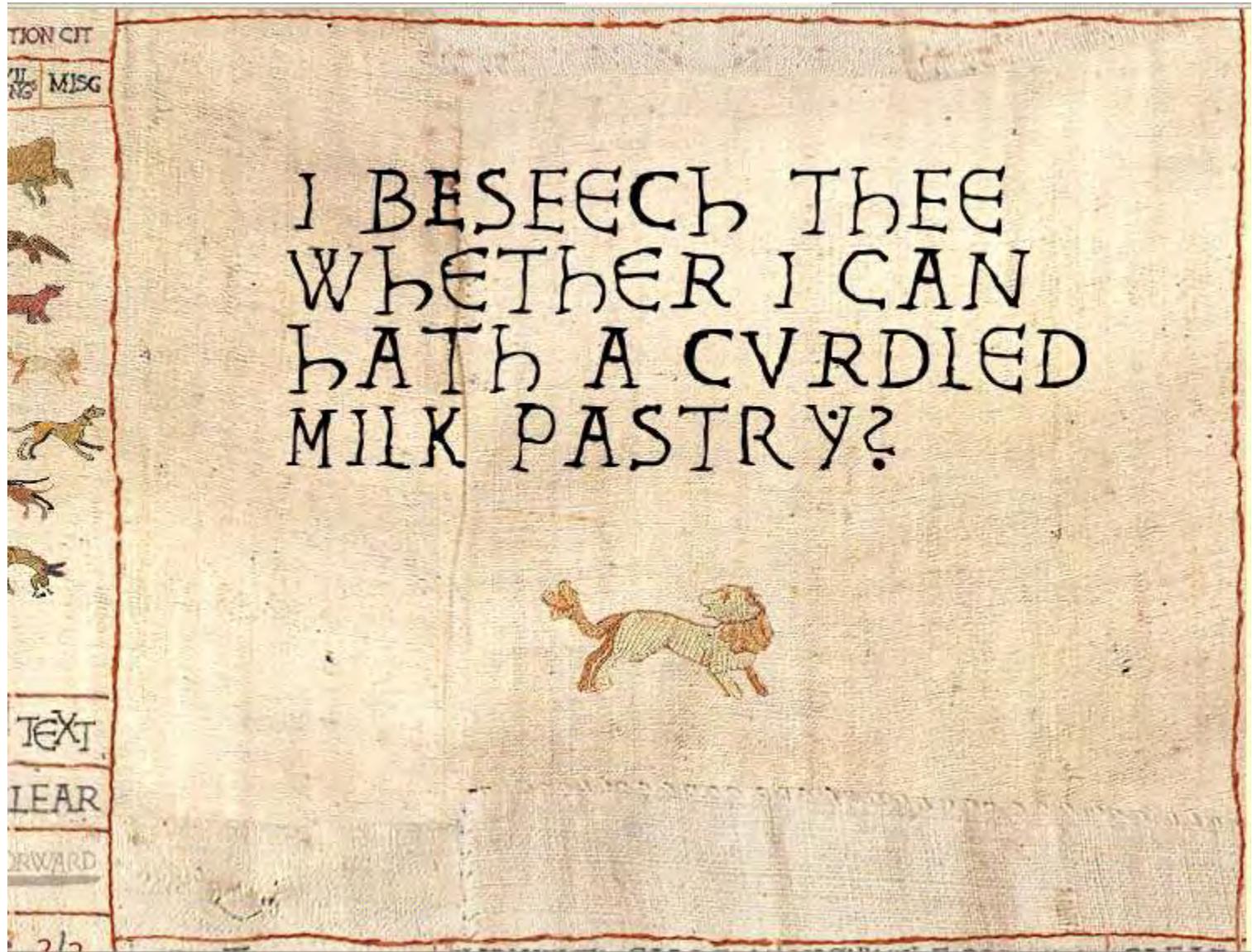
ALACK!! ALAAACK!!
ALAAA AAAAAAACK!!!!!!



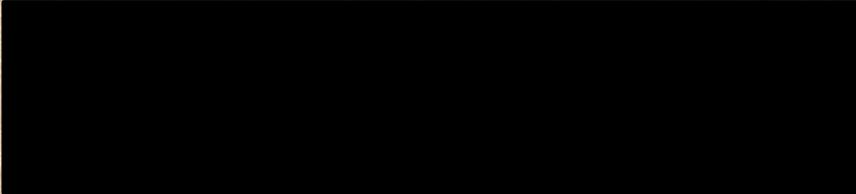
Don't tase me bro !



Pedobear



Can I has cheezburger?



WEBBE PORTRAITS GVILDS CRIER KINGDOM

THINE QVERY? NVDE DVCHESSES

HIE THEE
HENCE!

FEELEST THOV
FOVRTVNATE?

GOOGLE

WEBBE PORTRAITS GVILDS CRIER KINGDOM

THINE QVERY? NVDE DVCHESSES

HIE THEE
HENCE!

FEELEST THOV
FOVRTVNATE?



I HATH HEARDTH
THAT THOV LIKETH
KIPS OF THE MVD

Axolotl meme.

FASCINATING TALE
O KINSMAN OF MINE



True story, bro.



Tonight, we dine in hell !!



Do a Barrel Roll.

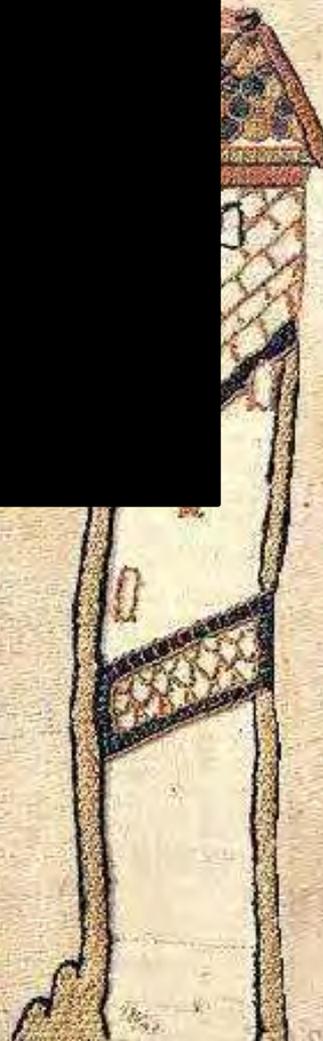


The cake is a lie.

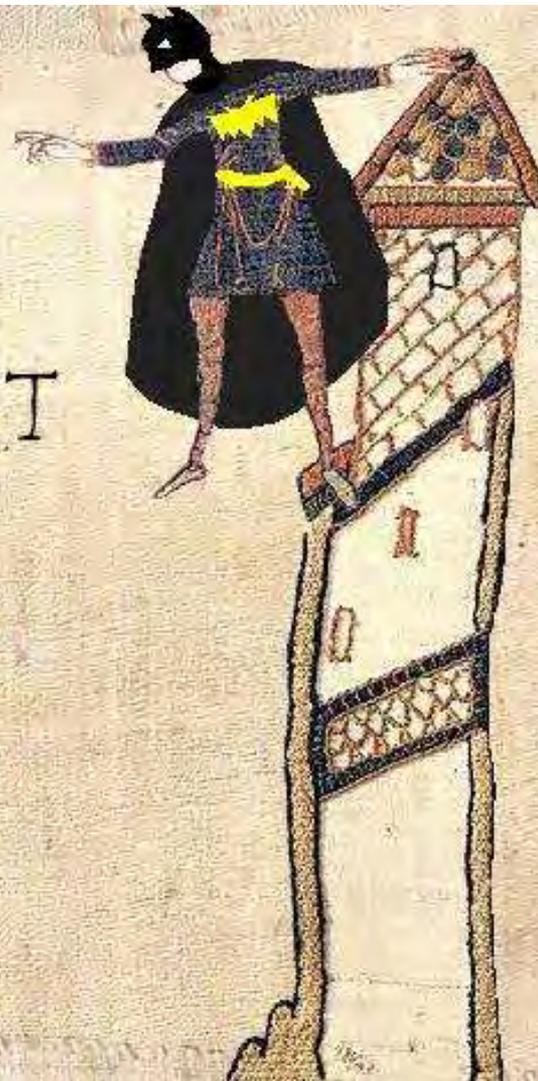


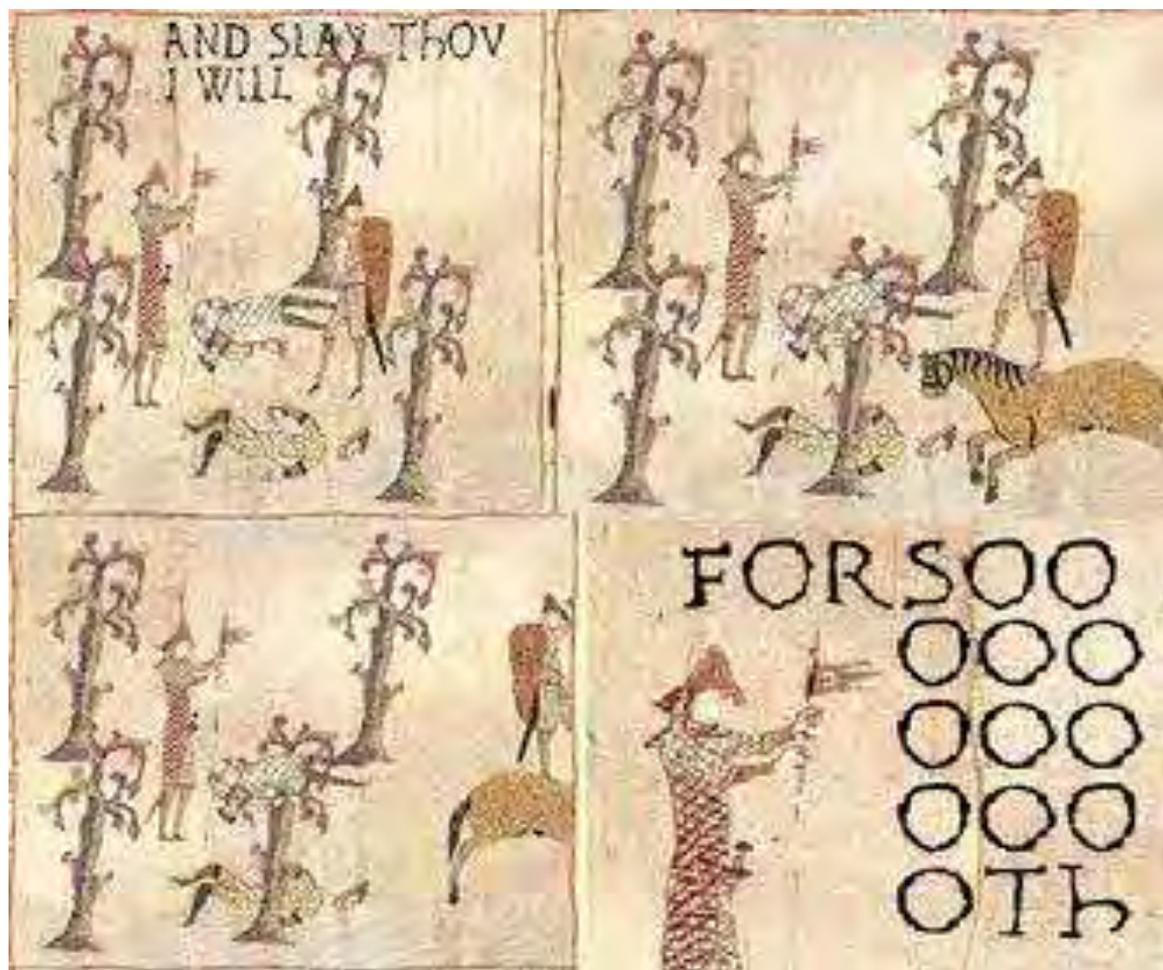
All your base are belong to us.

HARK! TIS THE
WINGED RODENT
GENTLEMAN!



HARK! TIS THE
WINGED RODENT
GENTLEMAN!





FUUUUUUUUUUUUUUUUUUUU !!

Bounce, Clockwise

To quote Wikipedia:

X brought only one of his three children to the Y. His other two sons were studying at Harvard University, and X did not want to disrupt their studies.

King Gustav, King of Sweden scolded X because of this, and X confidently assured the King that the next time he would bring all his children to the Y.

He kept up to his promise. . .

X and Y??

- John Bardeen

*Only rapper to re-write history without a pen
No ID on the track let the story begin, begin, begin*

*This is anti _____, death of the ringtone,
This ain't for iTunes, this ain't for sing alongs
This is Sinatra at the opera, bring a blonde
Preferably with a fat ass who can sing a song
Wrong, this ain't politically correct
This might offend my political connects
My raps don't have melodies
This should make niggas wanna go and commit felonies
Get your chain taken
I may do it myself, I'm so Brooklyn
I know we facing a recession
But the music y'all making going make it the great depression
All y'all lack aggression
Put your skirt back down, grow a set man
Nigga this shit violent
This is death of _____, moment of silence*

Before making "D.O.A.", Kanye West and Jay-Z had recorded a/an _____ song. However, West heard the instrumental by No I.D. and thought about making an anti-_____ song. They then removed all the songs that contained _____ from The Blueprint 3 to further their point. Jay-Z himself stated that the point of the song was to "draw a line in the sand". One of the partial inspirations for Jay-Z to write the song was after hearing an advertisement for Wendy's fast-food chain. It made him feel that what was once a trend had become a gimmick.

This trend was initially created by Andy Hildebrand, an engineer working for Exxon.

FITB.

- Autotune

X (15 November 1738 – 25 August 1822) was a German-born British composer, amongst other things.

He played the cello and harpsichord in addition to the oboe and later the organ. He composed numerous musical works, including 24 symphonies and many concertos, as well as some church music. Six of his symphonies are available in recordings made in 2003 by the London Mozart Players.

In the 1770s, he became organist of the Octagon Chapel, Bath, in which town he was also Director of Public Concerts.

He was appointed as the organist in 1766 and gave his introductory concert on 1 January 1767. As the organ was still incomplete he showed off his versatility by performing his own compositions including a violin concerto, an oboe concerto and a harpsichord sonata. In 1780, X was appointed director of the Bath orchestra, with his sister often appearing as soprano soloist.

X is famous for something else?

- William Herschel, famous astronomer.

The X is supposed to be named after Y.

This is probably an urban legend and it is more likely that it was the initials of John J Kardash, who in the 1950's arbitrarily used his initials on the blueprints of X, and the naming stuck.

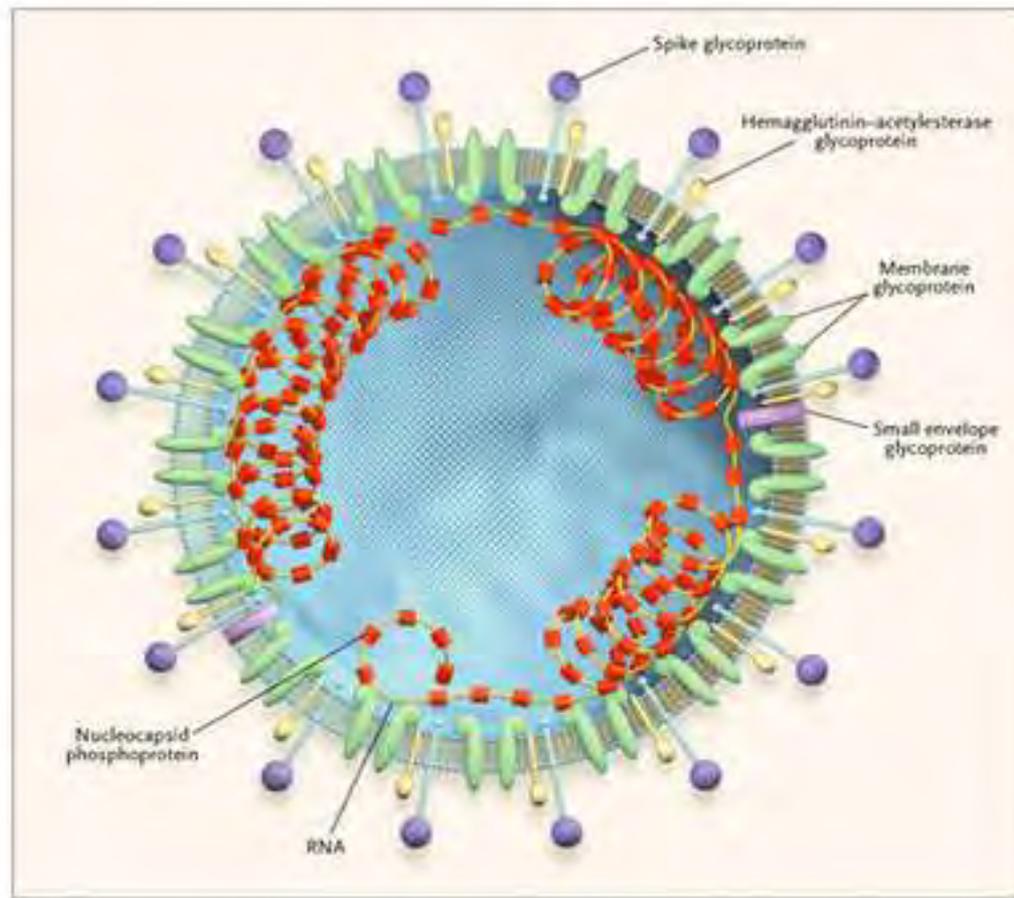
X & Y.

- X – JK flip flop
- Y – Jack Kilby

- The compound X was first described by M. Peyrone in 1845, and known for a long time as Peyrone's salt. The structure was deduced by Alfred Werner in 1893. In 1965, Barnett Rosenberg, van Camp et al. of Michigan State University discovered that electrolysis of platinum electrodes generated a soluble platinum complex which inhibited binary fission in *Escherichia coli* (*E. coli*) bacteria. Although bacterial cell growth continued, cell division was arrested, the bacteria growing as filaments up to 300 times their normal length.
- What is X? What is it used for?

- X- cis-PtCl₂(NH₃)₂ or Cisplatin
- Used in the treatment of cancer

- Hemagglutinin and Neuraminidase are two large glycoproteins on the outside of particles of the X virus.
- Hemagglutinin is a lectin that mediates binding of the virus to target cells and entry of the viral genome into the target cell, while Neuraminidase is involved in the release of progeny virus from infected cells, by cleaving sugars that bind the mature viral particles. Thus, these proteins are targets for antiviral drugs. Furthermore, they are antigens to which antibodies can be raised.
- X viruses are classified into subtypes based on antibody responses to Hemagglutinin and Neuraminidase.
- What is X?



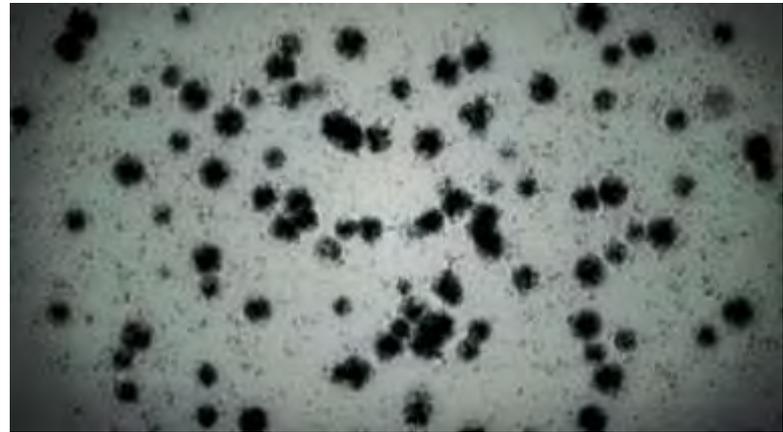
- X- Influenza
- These different types of Hemagglutinin (HA) and Neuraminidase (NA) form the basis of the H and N distinctions in, for example, H1N1.
- There are 16 H and 9 N subtypes known, but only H 1, 2 and 3, and N 1 and 2 are commonly found in humans.

AntiClockwise

- The ___ is the first mutagenic virus discovered by the founders of **A**. While the ___ is responsible for the creation of the majority of their Bio Organic Weapons (or B.O.W.s), the original intent was to create the perfect B.O.W..
- The ___ is built like many viruses, but not all. As the virus makes contact with a cell's membrane, it inserts its genetic coding into the cell. The cell absorbs the viral genome into its own genetic make-up, which takes over the cell's functions. The cell begins to produce offspring of the original virus. The new viruses are then released from the host cell and infect the neighboring cells, which starts the process all over again.

- The ___ kills and replaces mitochondrial organelles with a replica of itself. The virus then combines with other cells to produce energy. The energy produced is just enough to power the motor neurons and the basic lower brain functions. The reanimated host body is then left with the intense need to feed in order to replenish energy supplies without having to sacrifice its own tissue. Actions taken by the host in this time period greatly resemble that of "zombies" depicted in horror movies, and are thus dubbed by that name.
- However, the ___ can only properly function by consuming the cell in order to produce its energy. This slow breakdown of cells leads to the gradual breakdown of the host, causing necrosis. The virus incorporates itself into the host's DNA, which substantially alters it. This is why creatures, such as bees and spiders, only have very minor mutation, such as increased size, when compared to the human mutation caused by the virus.
- FITB
- What is **A**?

- The T-virus, from Resident Evil



- **A-** The Umbrella Corporation



- The ___ is a handheld game console by Sony Computer Entertainment. It is the successor to the PlayStation Portable as part of the PlayStation brand of gaming devices.
- It was released in Japan and parts of Asia on December 17, 2011 and is expected to be released in Europe, Latin and North America today and in Australia tomorrow.
- FITB please

- PS Vita



- Roland Berrill, an Australian barrister, and Dr Lancelot Ware, a British scientist and lawyer, founded X at Lincoln College, in Oxford, England, in 1946. X was also to be a non-political organisation, reflected in its constitution: “X encompasses members representing many points of view. Consequently, X as an organisation shall not express an opinion as being that of X, take any political action other than the publication of the results of its investigations, or have any ideological, philosophical, political, or religious affiliations.”
- X please

- X- Mensa



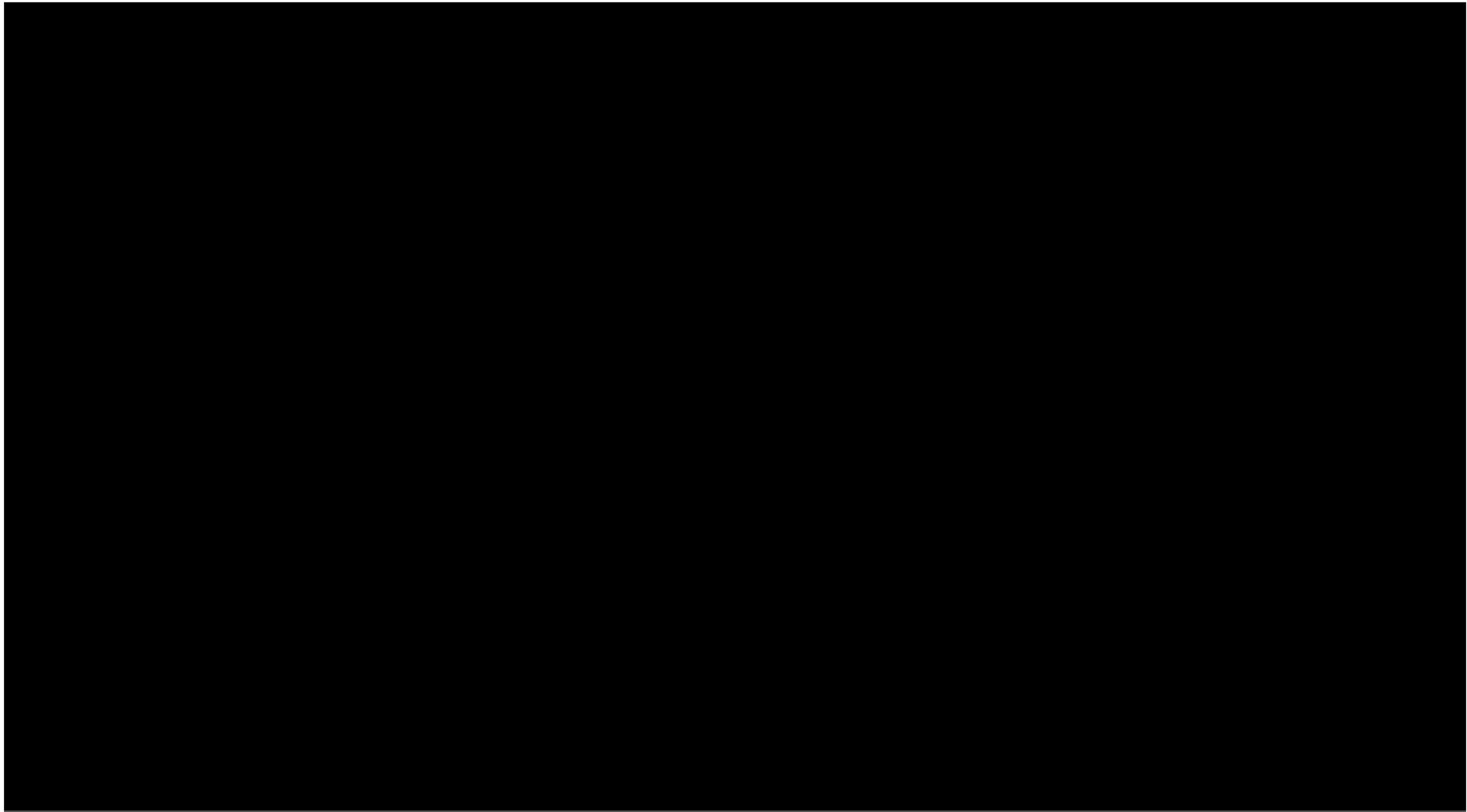
The trojan room X is the inspiration for a commonly used invention. The X was located in the Trojan room within the computer laboratory at the University of Cambridge. The invention was created to help people working in the other areas of the building from making pointless trips to the room. It served as a popular landmark of the early web. The X was auctioned on eBay and now serves in the editorial office of Spiegel Online.

This is the Trojan Room coffee pot, inspiration for the first webcam.



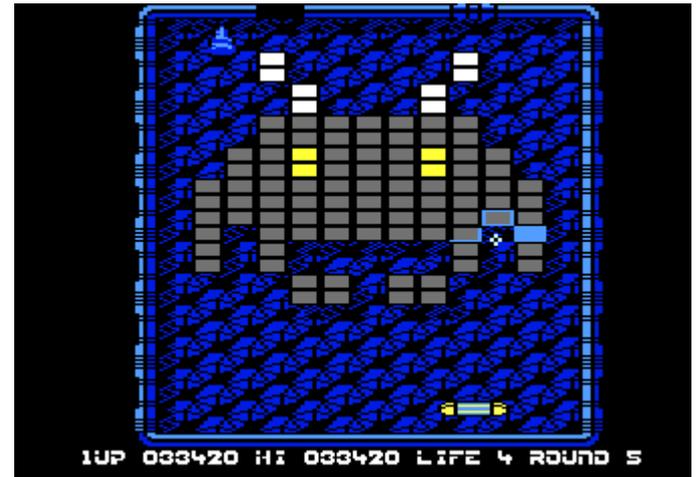
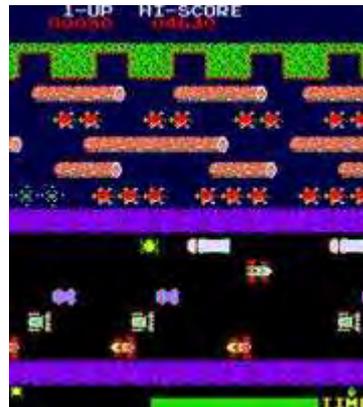
Theme Round

ID the vintage games.



Answers

1. Space invaders
2. Pacman
3. Tetris
4. Arkanoid
5. Donkey Kong
6. Frogger



VSVC – Exhaustive List

6 pics

+12/-6



+10/-5



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YOUR ENTERTAINMENT DESTINATION

+



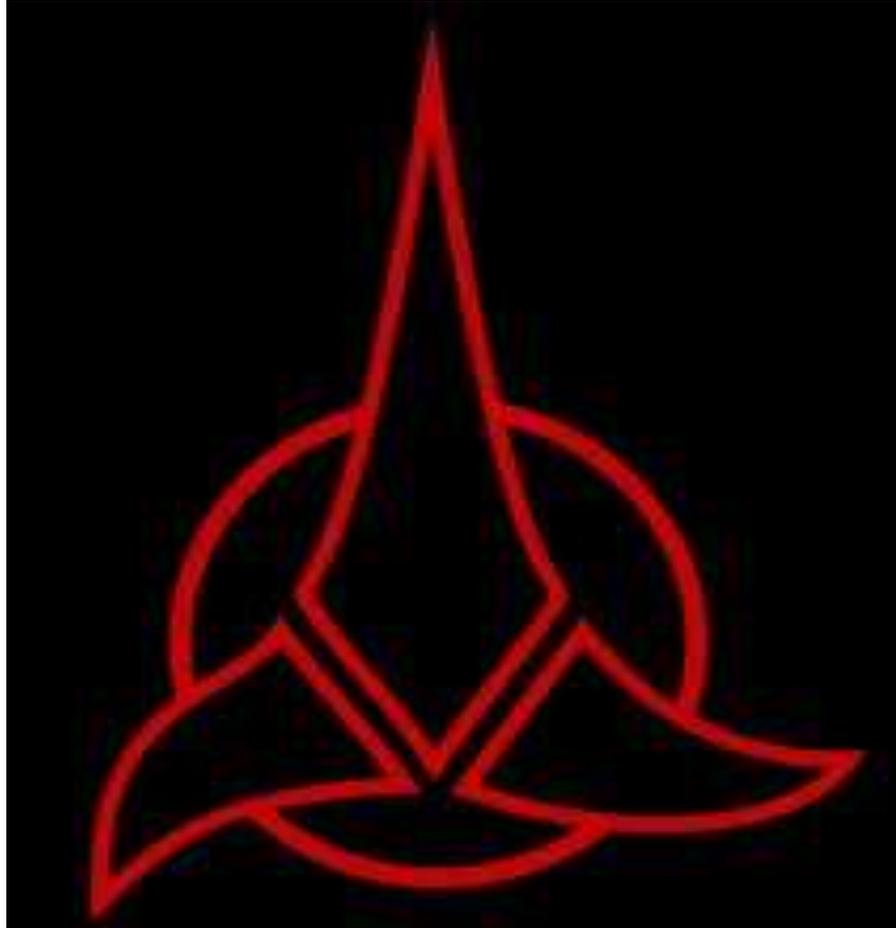
+8/-4



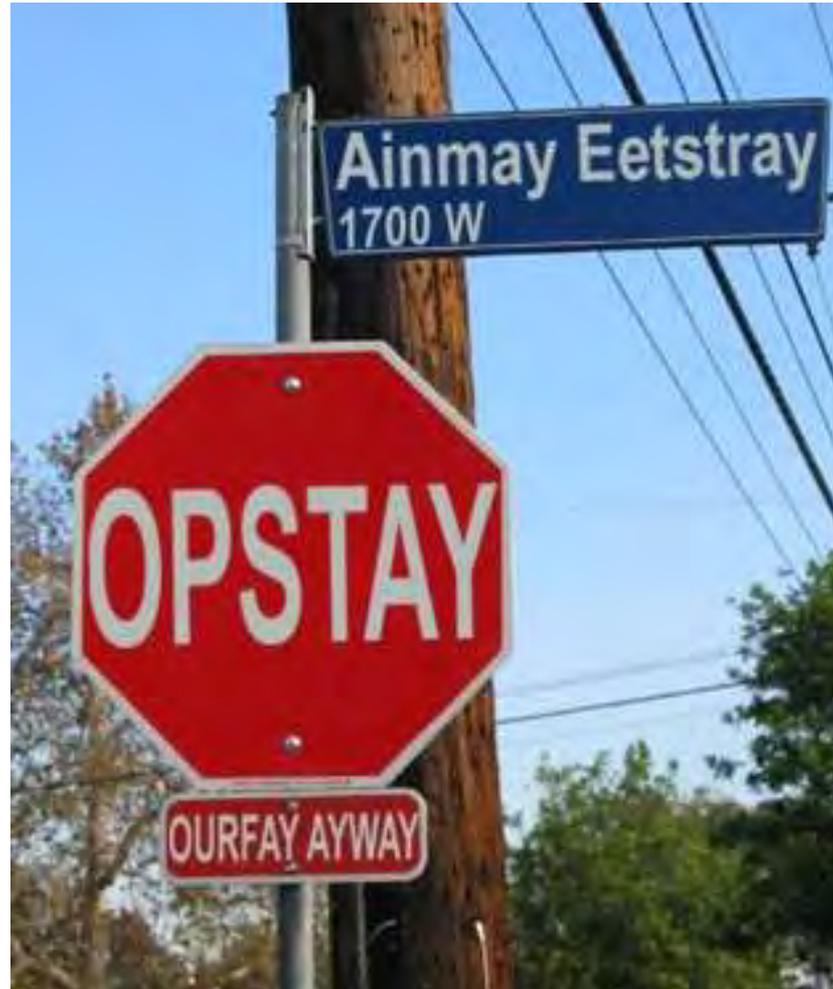
$$+6/-3$$



$$+4/-2$$



+2/0



Answers

✘ Google Essentially comes over 124 languages, which are spoken by humans across the world. Apart from that there are non-human languages in which you can search Google in.

- Pirate
- Bork, Bork, bork!
- Elmer Fudd
- Leetspeak
- Klingon
- Pig Latin

Bounce

When id Software released the source code to Doom in December 1997, eager programmers spawned many new versions of Doom with new features. XDoom by Udo Munk is one such version. Not only does it have some advanced functionality, it runs on several different computer platforms. id Software eventually re-released the Doom source under the GNU General Public Licence instead of the more restrictive non-commercial licence it was originally licenced under.

At the University of New Mexico, Dennis Chao took the GPL'd sources of XDoom and modified them to create a proof-of-concept program for the web page "Doom as a tool for _____".

The game was called psDoom.

FITB. Put fundaes





PICKED UP A BOX OF SHOTGUN SHELLS.



98	80%	2 1 9		89%	CARTRIDGES HELL SHELLS SHELLS	98	200
AMMO	HEALTH	5 5 7		ARMS		ARMOR	24
						0	50
						0	300

- System Administration

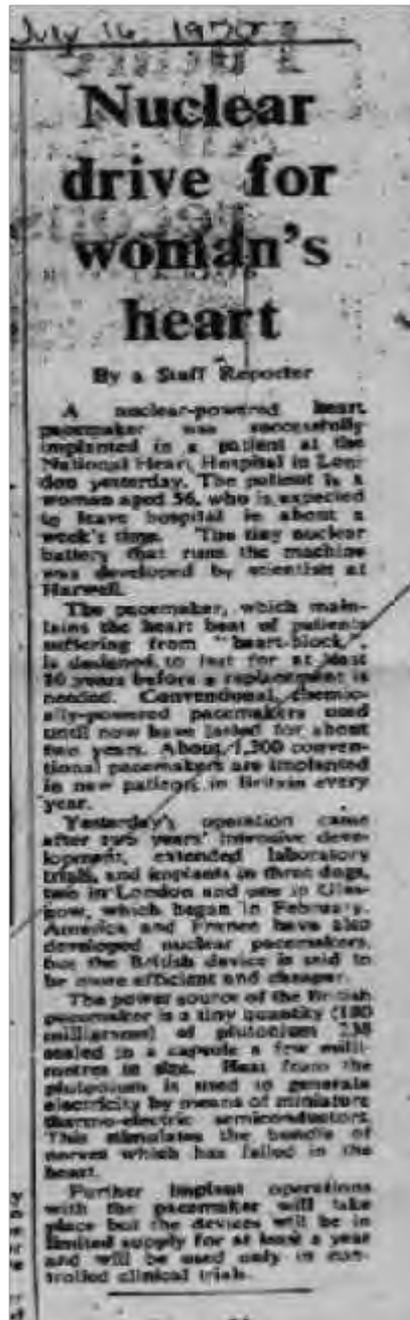
X was a relatively unknown secret prototype Apple started work on in 1992, which goal was to create a version of the classic Mac OS that would run on Intel-compatible x86 personal computers. The project was instigated by Novell, Inc., who were looking to integrate their DR-DOS with the Mac OS UI as a retort to Microsoft's Windows 3.0. The Apple/Novell team (fourteen engineers from the former, four from the latter) was able to get the Macintosh Finder and some basic applications, like QuickTime, running smoothly on Windows. Some of the code from this effort was reused later when porting the Mac OS to PowerPC.

The project was cancelled only one year later in early 1993. There are two theories for the project's short life: the first is that Apple's board canceled further development upon realizing that going with **X** would mean an entirely new business model and one that would likely see a notable drop in Apple's lucrative hardware sales; and the second is that an x86 Mac OS was not commercially viable in the early nineties because Microsoft's contracts for Windows 3.1 forced PC manufacturers to pay a royalty to Microsoft for every computer shipped, regardless of what operating system it contained.

Put **X**.

- **X: Star Trek**
- “To boldly go where no Mac has gone before”





This report that came in the July 14, 1970 edition of Evening Standard in London, talks about how a nuclear-powered heart pacemaker was implanted on a pregnant woman's heart thus saving her life.

- Put fundae.

- Atom Heart Mother by Pink Floyd

X was a vivisectionist who fled scandal to live on a remote island in the Pacific to pursue his research. X had been on the island for eleven years and has been striving to make a complete transformation from animal to human. X creates many Beast Men, but finally meets his death in an encounter with them. X?



Dr. Moreau by H.G Wells

Kesarbai Kerkar (July 13, 1892 – September 16, 1977) was an Indian classical vocalist of the Jaipur-Atrauli gharana. She is considered one of the finest and most powerful Indian classical singers of the 20th century.

Kerkar eventually achieved wide renown, performing regularly for aristocratic audiences and was very particular about the representation of her work.

Kerkar was awarded the decoration of Padma Bhushan by the government of India in 1969, and in the same year the government of the Indian state of Maharashtra conferred upon her the title of "Rajya Gayika." Indian Nobel laureate Rabindranath Tagore (1861–1941) is said to have been very fond of Kerkar's singing.

Kerkar's claim to fame ?!



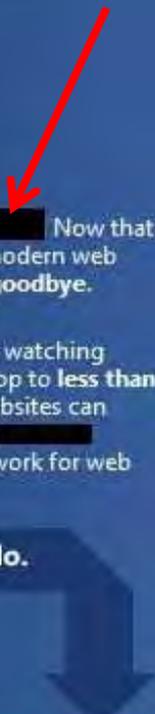
This song "Jaat Kahan Ho" by Kesarbai Kerkar was the song from India that was present in the Voyager Records, 'Sounds of the Earth'.

10 years ago a [redacted] was born.

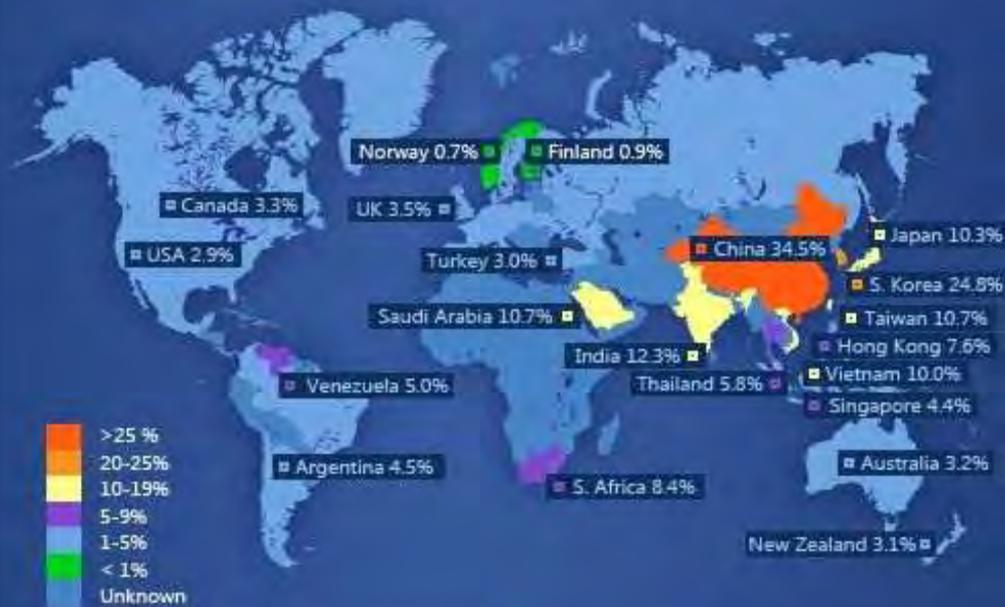
Its name was [redacted]. Now that we're in 2011, in an era of modern web standards, it's time to say goodbye.

This website is dedicated to watching [redacted] usage drop to less than 1% worldwide, so more websites can choose to drop support for [redacted] saving hours of work for web developers.

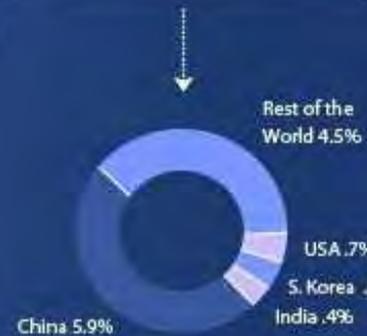
Here's what you can do.



[redacted] usage around the world



Source: Net Applications, February 28, 2011 data, [redacted] usage share by country (all OS)



Breakdown of worldwide share by country

FITB

Microsoft urging users to stop using Internet Explorer.

This parody ad is a reference to ?



- GLADOS from Portal

A number of writers from West Bengal, have written science fiction. A short story known as *X* written by Satyajit Ray about an alien named "Y" gained popularity among Bengalis in the early 1960s. He virtually pioneered the genre of Indian Science Fiction. It is alleged that the script for Steven Spielberg's film *E.T.* was based on a script for *X* that Ray had sent to the film's producers in the late 1960s. X and Y?

- X: The Alien
- Y: Mr. Ang

The X is a website created in 2009 by Matthew Inman, who lives in Fremont, Seattle, Washington, United States.

Regarding the name of the website, Inman notes that he is not a huge favourite of X. He recalls that he used to play the Quake video game a lot when he was younger, and used the nickname Y, which is where the website's name comes from.

Y is a company that sells 'x' and its name is very closely connect to Quake.

The website gets an average of 4.6 million unique visitors and more than 20 million page views a month.

X ??

- X – The Oatmeal named after Quaker's Oat

Wilfrid Michael X (1865 –1930), born Michał Habdank-Wojnicz, was a Polish revolutionary, British and American antiquarian and bibliophile.

A famous revolutionary, in 1893 he married a fellow-revolutionary, Ethel Lilian Boole, daughter of the famous British mathematician, George Boole.

The most famous of X's possessions was the eponymous Y which he had acquired in 1912 at the Villa Mondragone in Italy.

Y measures 23.5 by 16.2 by 5 centimetres (9.3 by 6.4 by 2.0 in), with hundreds of vellum pages collected into 20 quires.

Much of the Y resembles herbal recipes of a past time period, seeming to present illustrations and information about plants and their possible uses for medical purposes.

X or Y ?

Voynich of Voynich Manuscript

On January 1, 2012, X became the top Modern Warfare 3 player, but lost his position because he was _____.

Who?

Why did he lose his position??

- Kim DotCom, founder of MegaUpload.
Lost his ranking, since he was in custody.

While **X** were seeking a flagship series to compete with Nintendo's Mario series, several character designs were submitted by its AM8 research and development department. Eventually, Naoto Ōshima's design was chosen as the new mascot.

Y's shoes were a concept evolved from a design inspired by Michael Jackson's boots; the contrast of those colors were based on Jackson's 1987 album *Bad*; his personality was based on Bill Clinton's "Get it done" attitude.

Y was created without the ability to swim because of a mistaken assumption by Yuji Naka. The original concepts gave **Y** fangs and put him in a band with a human girlfriend named Madonna. However, a team from **X** of America, led by Madeline Schroeder, who calls herself "**Y**'s mother", "softened" the character up for an American audience by removing those elements. This sparked a heated issue with **Y** Team.

Y's appearance varies greatly depending on the medium and the style in which he is drawn. In the video games, **Y**'s original design by Oshima was short and round with a round body, and no visible irises. Artwork featuring this design and drawn by Akira Watanabe was displayed on the package artwork for the game.

X & Y, if you please.

- X: Sega
- Y: Sonic



X appears to come from a bad connection between a fibre optic cable that connects to the GPS receiver used to correct the timing of the **Y** flight and an electronic card in a computer. After tightening the connection and then measuring the time it takes data to travel the length of the fibre, researchers found that the data came earlier.

- X – Superluminal flight of Neutrinos
- Y - Neutrinos

Who wrote this, an abstract to *Router: A Methodology for the typical unification of Access Points and Redundancy to ?*

Many physicists would agree that, had it not been for congestion control, the evaluation of web browsers might never have occurred. In fact, few hackers worldwide would disagree with the essential unification of voice-over-IP and public/private key pair. In order to solve this riddle, we confirm that SMPs can be made stochastic, cacheable, and interposable.

Answer

SCLgen, a program created by MIT that generates nonsense in the CS&E papers.

Long Visual Connect

Non-exhaustive. 29 pics

+58/-29

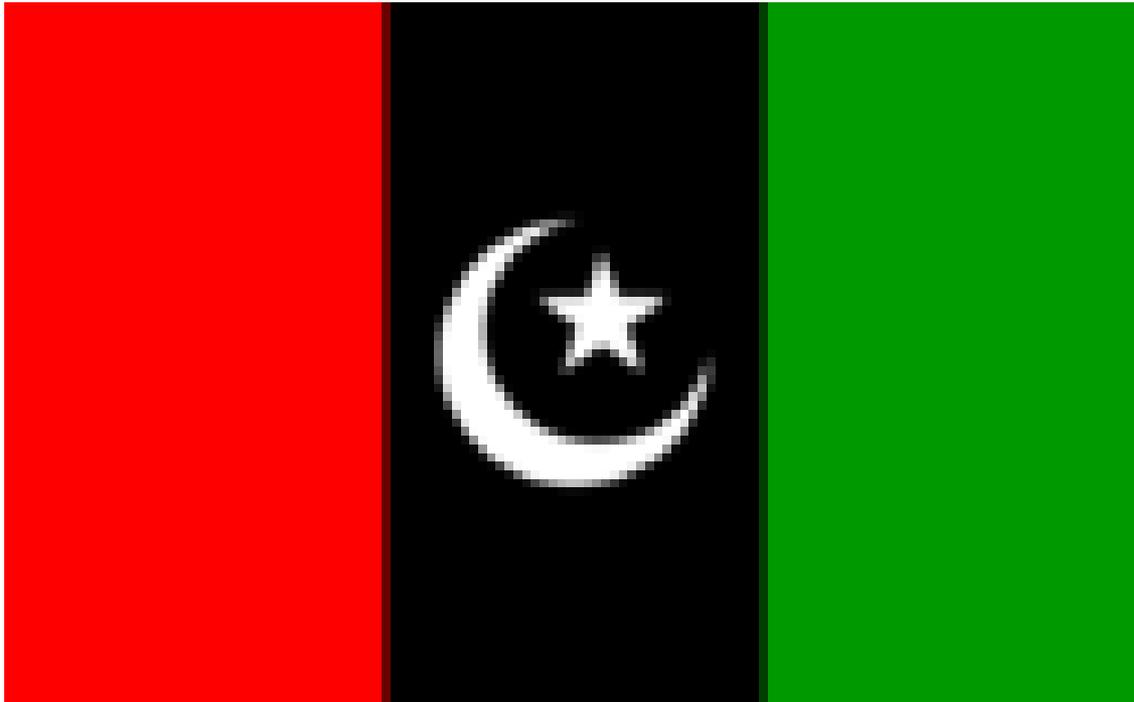


+56/-28

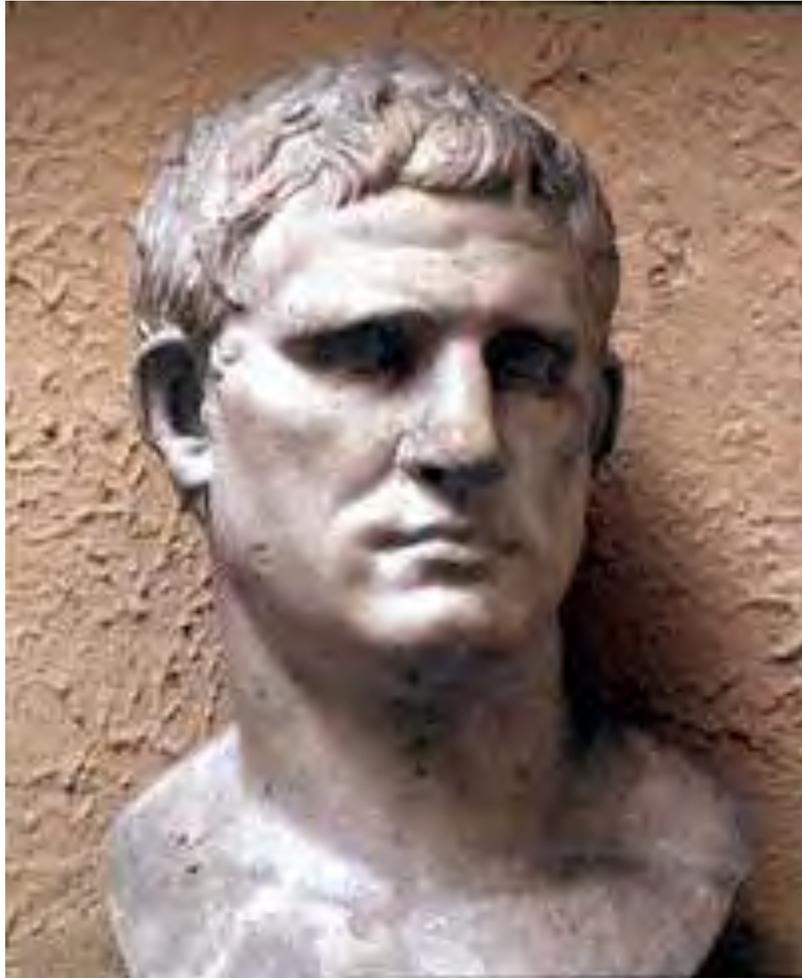


+54/-27

- Once removed. flag



+52/-26



+50/-25



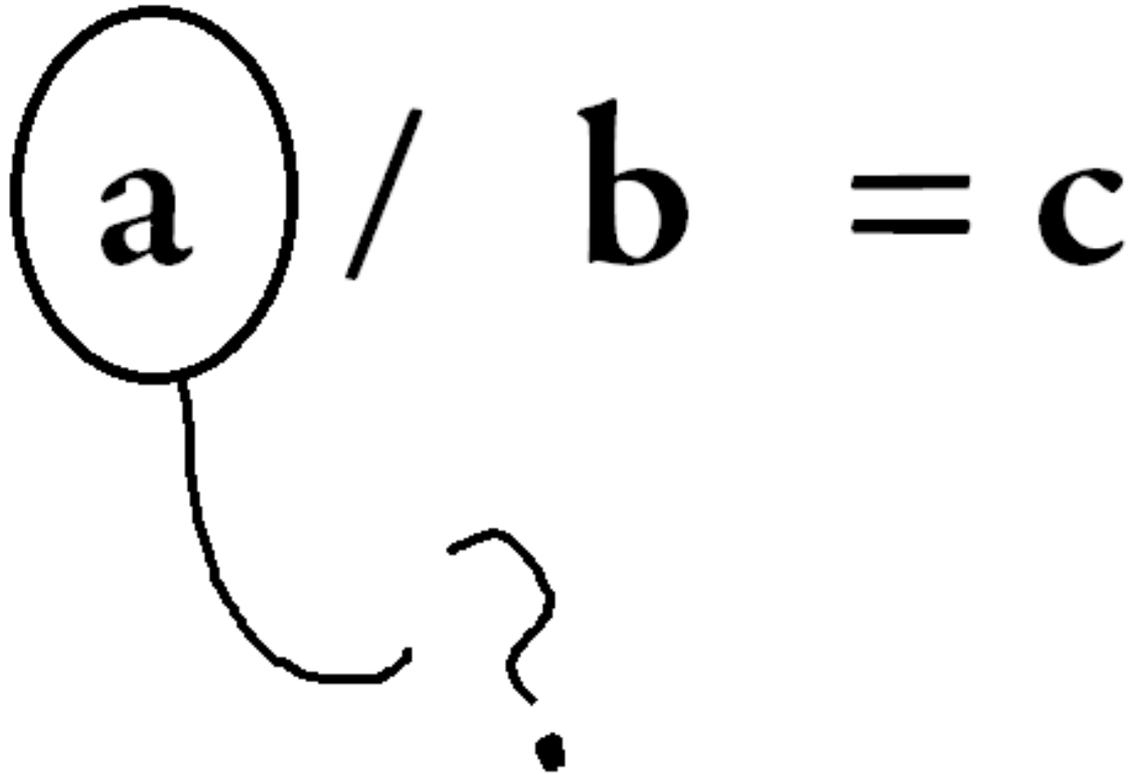
$$+48/-24$$



+46/-23



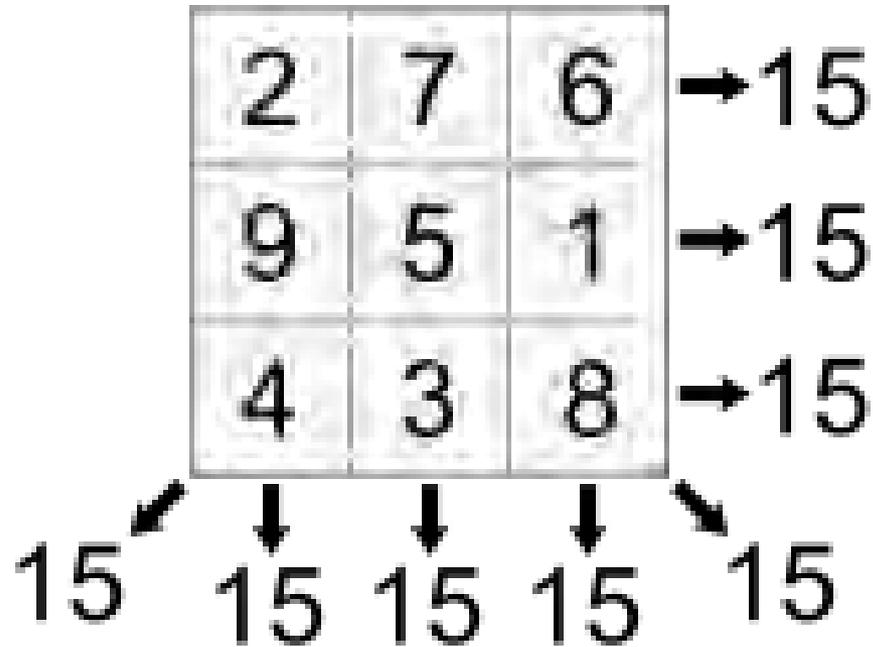
$$+44/-22$$

$$\text{a} / \text{b} = \text{c}$$


+42/-21



+40/-20



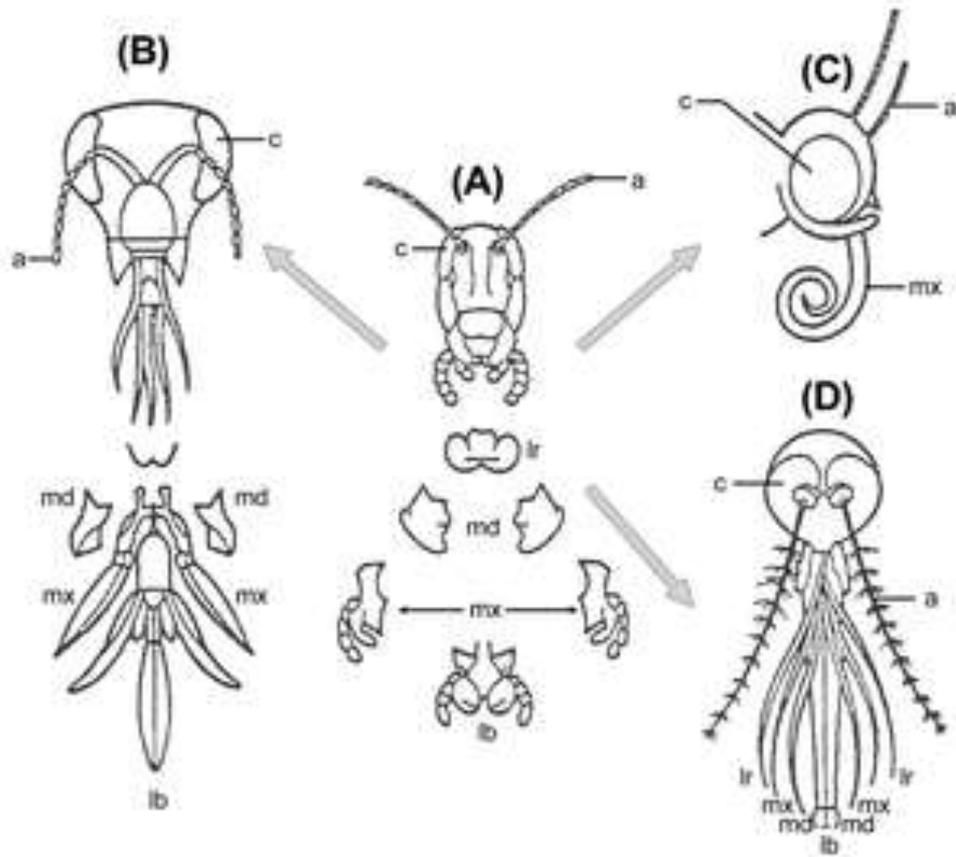
+38/-19



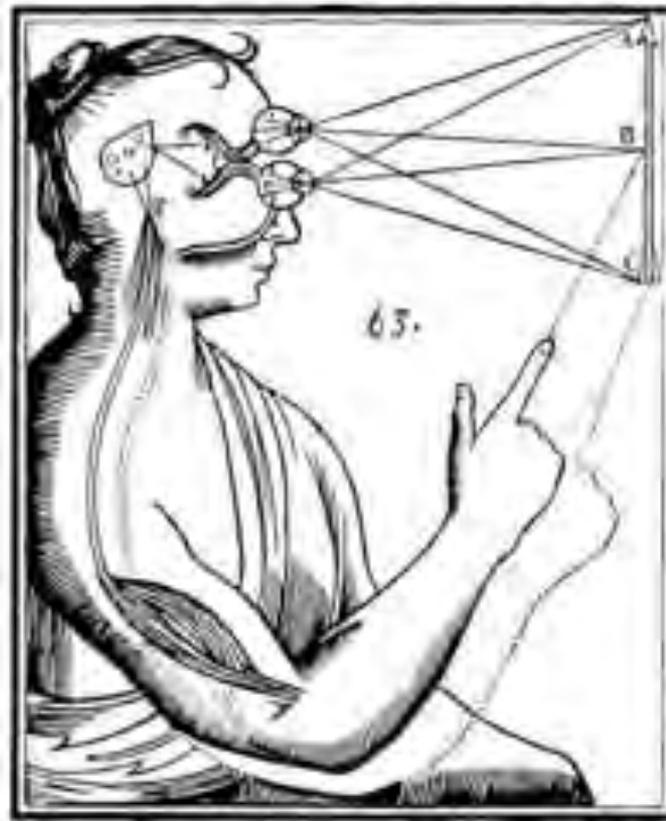
+36/-18



+34/-17



+32/-16



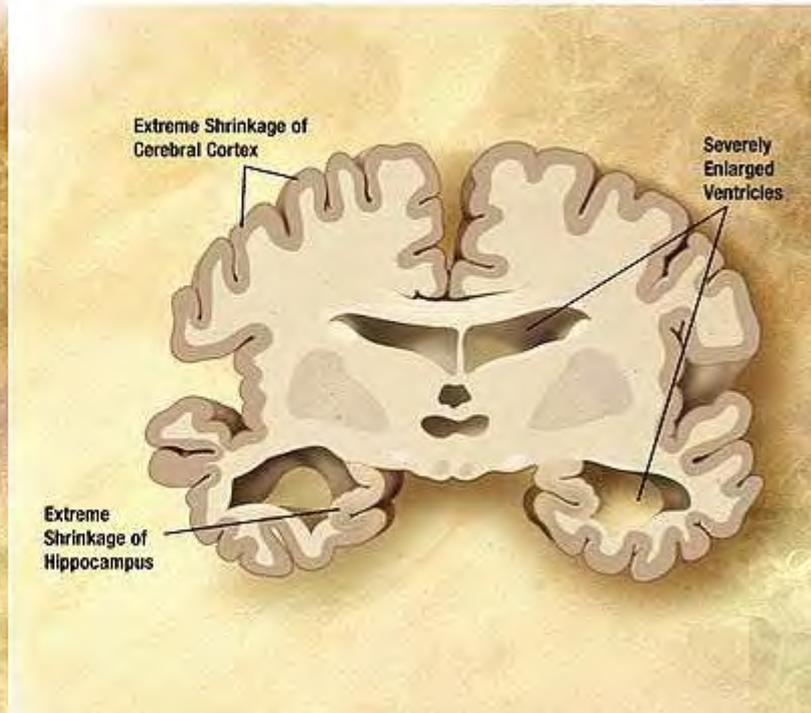
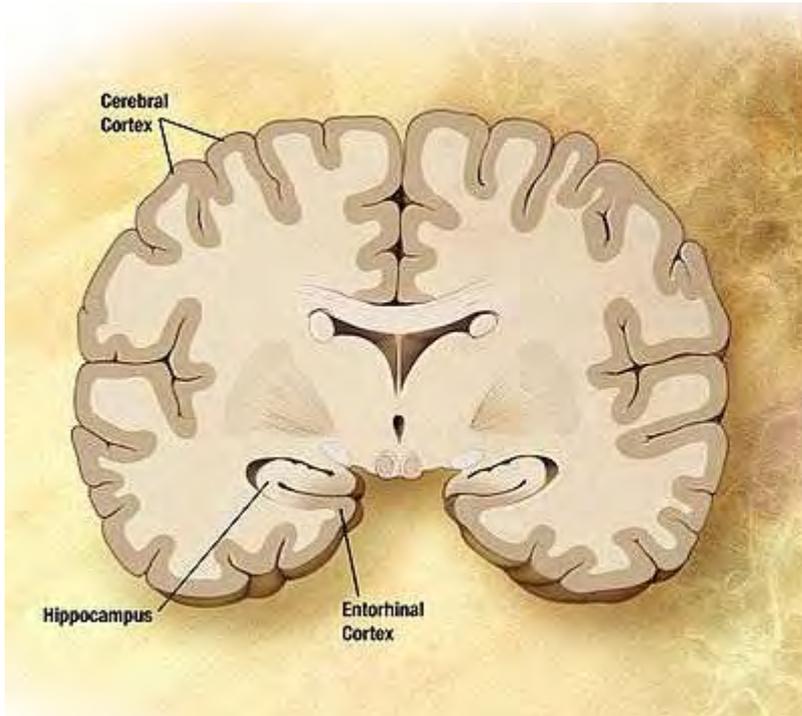
+30/-15

$$\frac{\partial V}{\partial t} + \frac{1}{2}\sigma^2 S^2 \frac{\partial^2 V}{\partial S^2} + rS \frac{\partial V}{\partial S} - rV = 0.$$

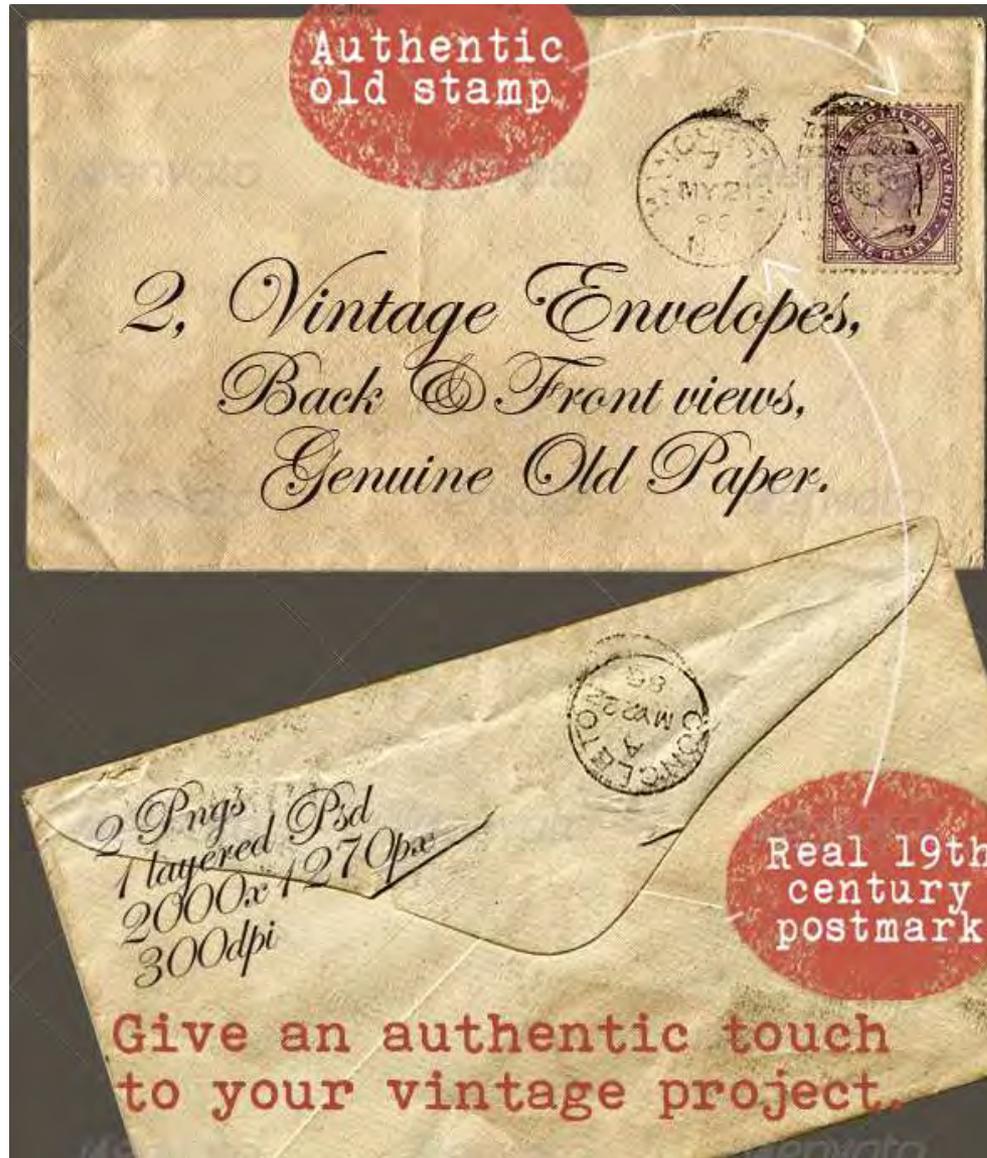
+28/-14



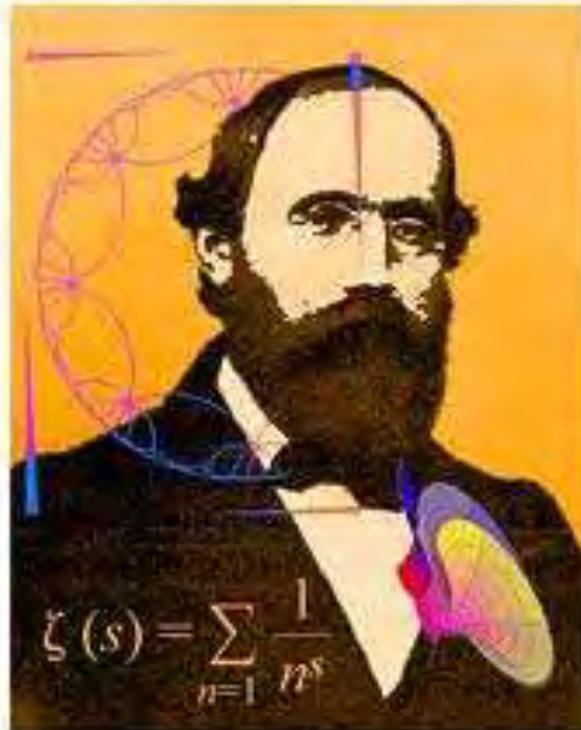
+26/-13



+24/-12

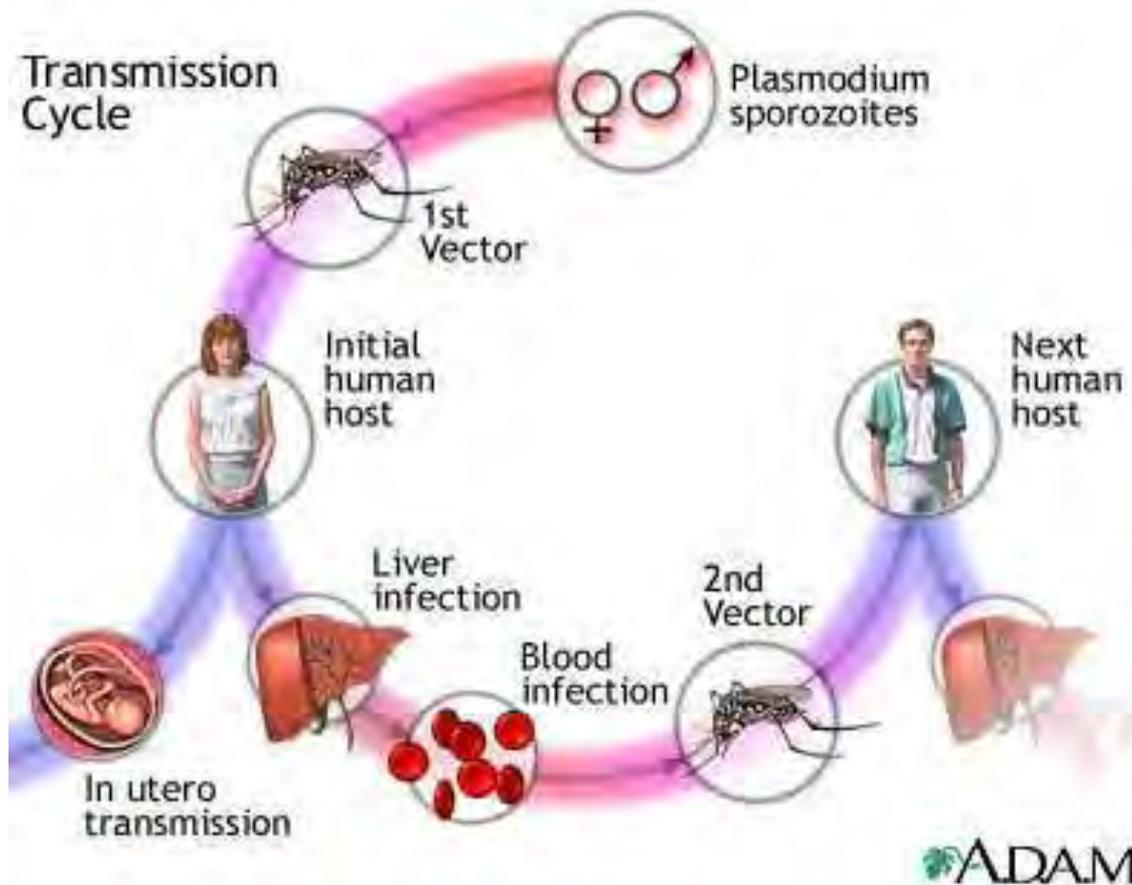


+20/-10



Srinivasa Ramanujan (1887-1920)

+18/-9



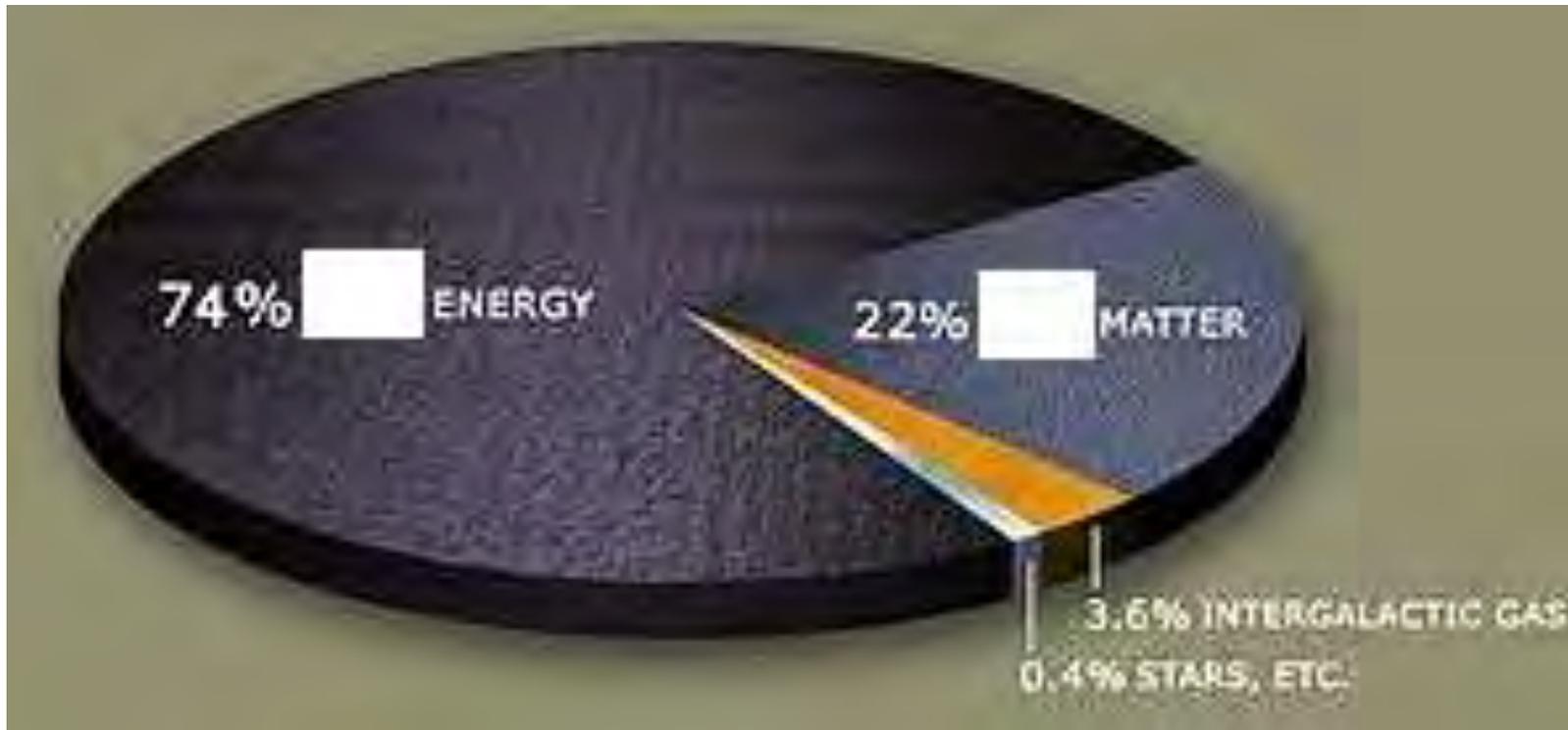
+16/-8



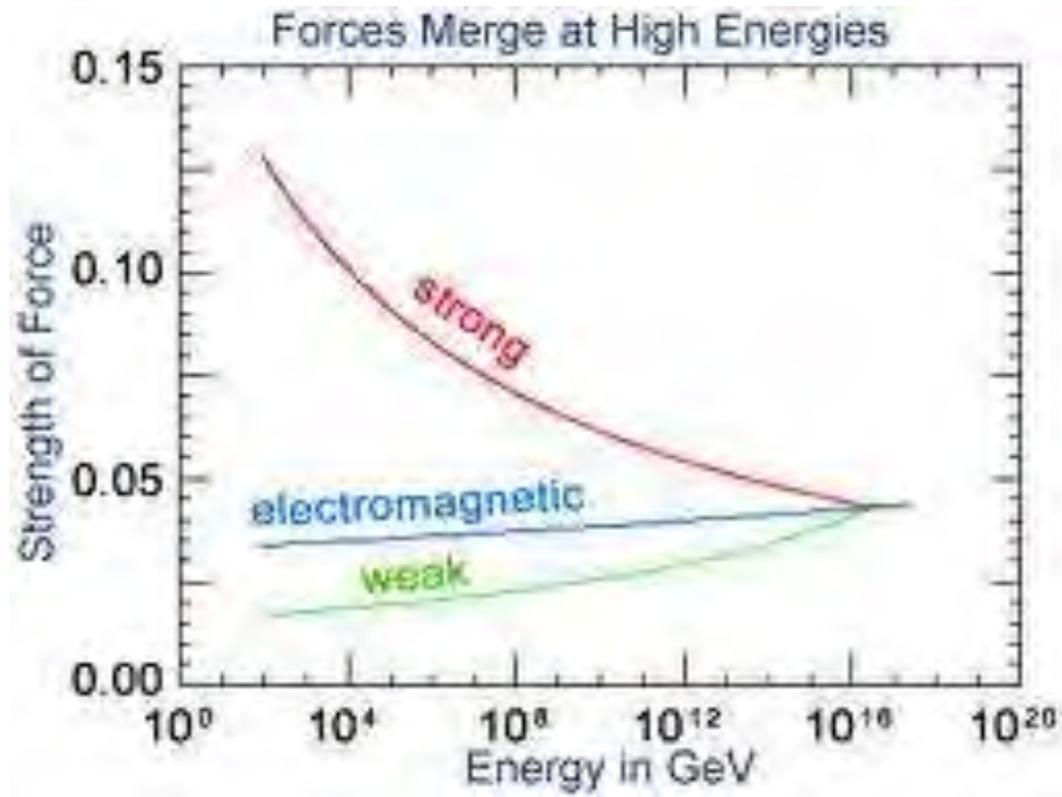
+14/-7



+12/-6



+10/-5

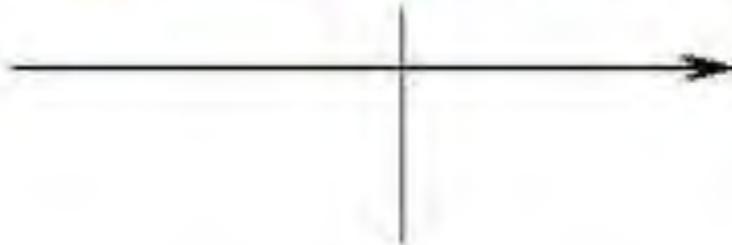


+8/-4

$$\begin{aligned} & \rho \left(\frac{\partial u}{\partial t} + u \frac{\partial u}{\partial x} + v \frac{\partial u}{\partial y} + w \frac{\partial u}{\partial z} \right) = \\ & \rho g_x - \frac{\partial p}{\partial x} + \frac{\partial}{\partial x} \left[2\mu \frac{\partial u}{\partial x} + \lambda \nabla \cdot \mathbf{V} \right] + \frac{\partial}{\partial y} \left[\mu \left(\frac{\partial u}{\partial y} + \frac{\partial v}{\partial x} \right) \right] + \frac{\partial}{\partial z} \left[\mu \left(\frac{\partial w}{\partial x} + \frac{\partial u}{\partial z} \right) \right] \\ \hline & \rho \left(\frac{\partial v}{\partial t} + u \frac{\partial v}{\partial x} + v \frac{\partial v}{\partial y} + w \frac{\partial v}{\partial z} \right) = \\ & \rho g_y - \frac{\partial p}{\partial y} + \frac{\partial}{\partial y} \left[2\mu \frac{\partial v}{\partial y} + \lambda \nabla \cdot \mathbf{V} \right] + \frac{\partial}{\partial z} \left[\mu \left(\frac{\partial v}{\partial z} + \frac{\partial w}{\partial y} \right) \right] + \frac{\partial}{\partial x} \left[\mu \left(\frac{\partial u}{\partial y} + \frac{\partial v}{\partial x} \right) \right] \\ \hline & \rho \left(\frac{\partial w}{\partial t} + u \frac{\partial w}{\partial x} + v \frac{\partial w}{\partial y} + w \frac{\partial w}{\partial z} \right) = \\ & \rho g_z - \frac{\partial p}{\partial z} + \frac{\partial}{\partial z} \left[2\mu \frac{\partial w}{\partial z} + \lambda \nabla \cdot \mathbf{V} \right] + \frac{\partial}{\partial x} \left[\mu \left(\frac{\partial w}{\partial x} + \frac{\partial u}{\partial z} \right) \right] + \frac{\partial}{\partial y} \left[\mu \left(\frac{\partial v}{\partial z} + \frac{\partial w}{\partial y} \right) \right] \end{aligned}$$

$$+6/-3$$

The Past The Present The Future



Linear Time

+4/-2



Vinay Deolalikar
HP Research Labs, Palo Alto
vinay.deolalikar@hp.com

August 6, 2010

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+2/0



MILLENNIUM
TECHNOLOGY
PRIZE

Answer

Unsolved problems

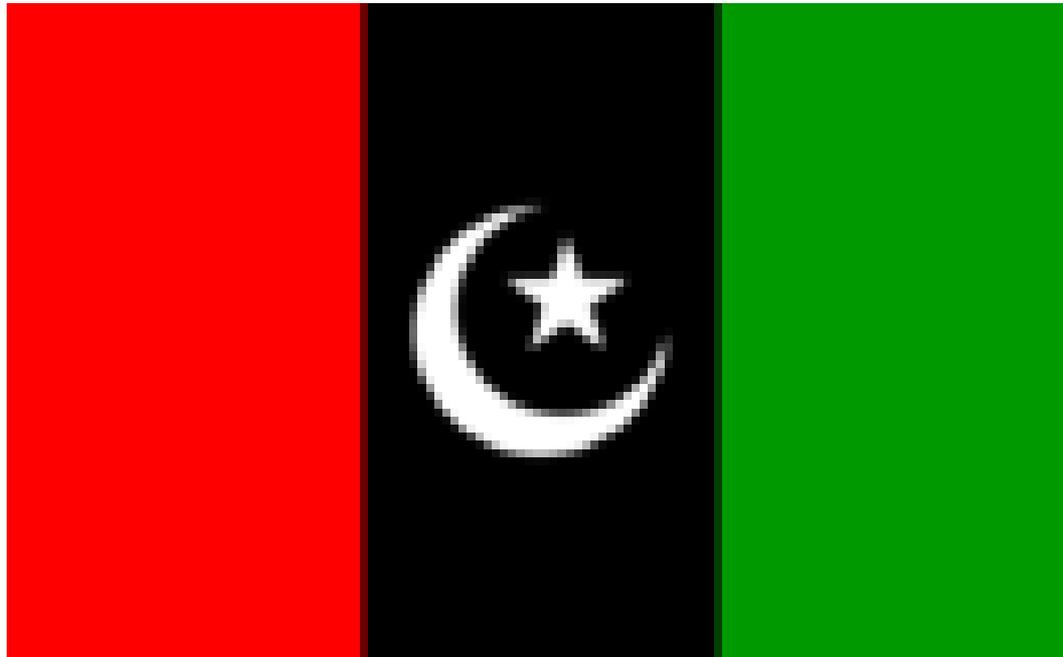
Pfeiffer effect- explanation of homochirality



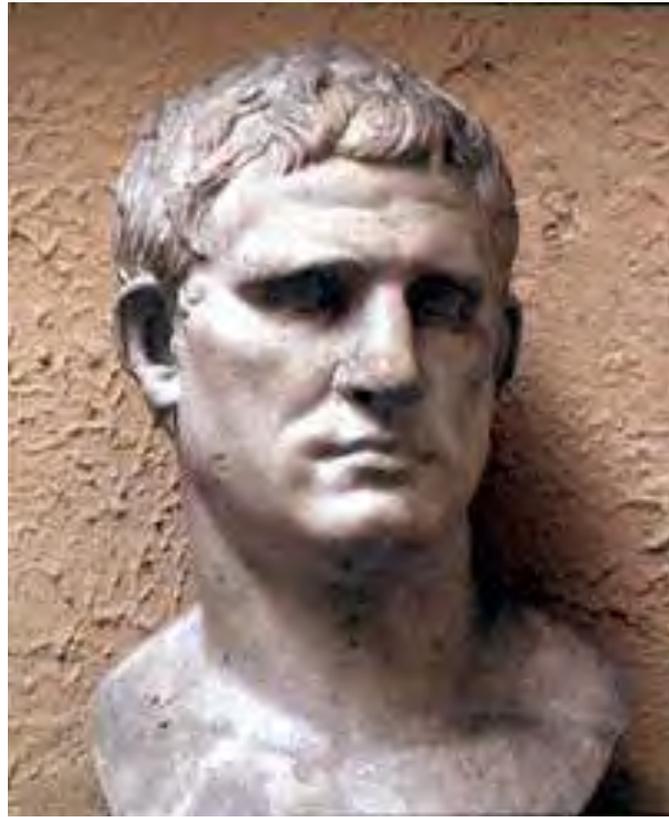
Lonely runner conjecture. Math



PPP puzzle in economics



Agrippa's Trilemma



Formation of creole. Linguistics



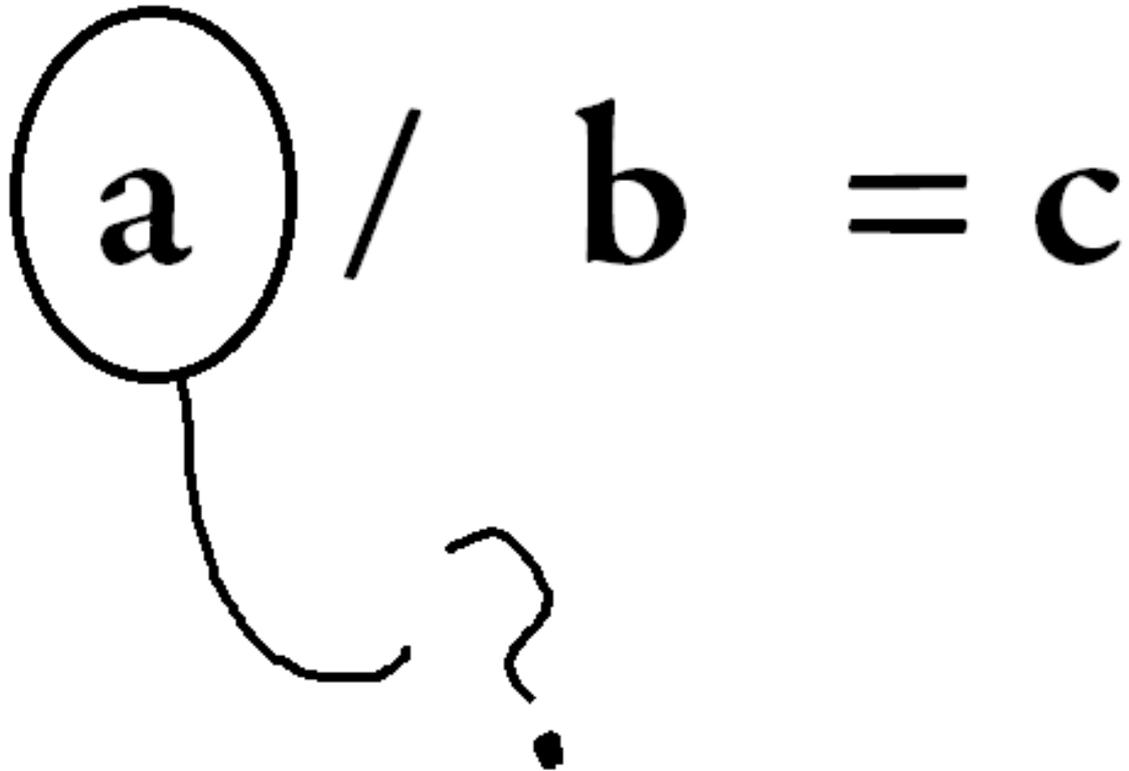
Stability of norbornyl cation



Sunrise problem in statistics



Dividend puzzle in economics

$$\text{a} / \text{b} = \text{c}$$


Induction problem- philosophy



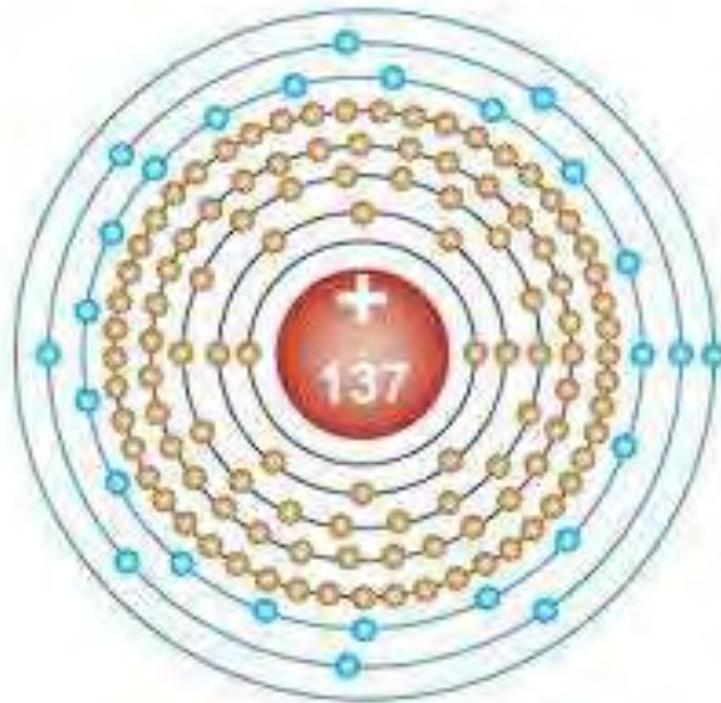
Number of magic squares

2	7	6	→	15
9	5	1	→	15
4	3	8	→	15
↙	↓	↓	↓	↘
15	15	15	15	15

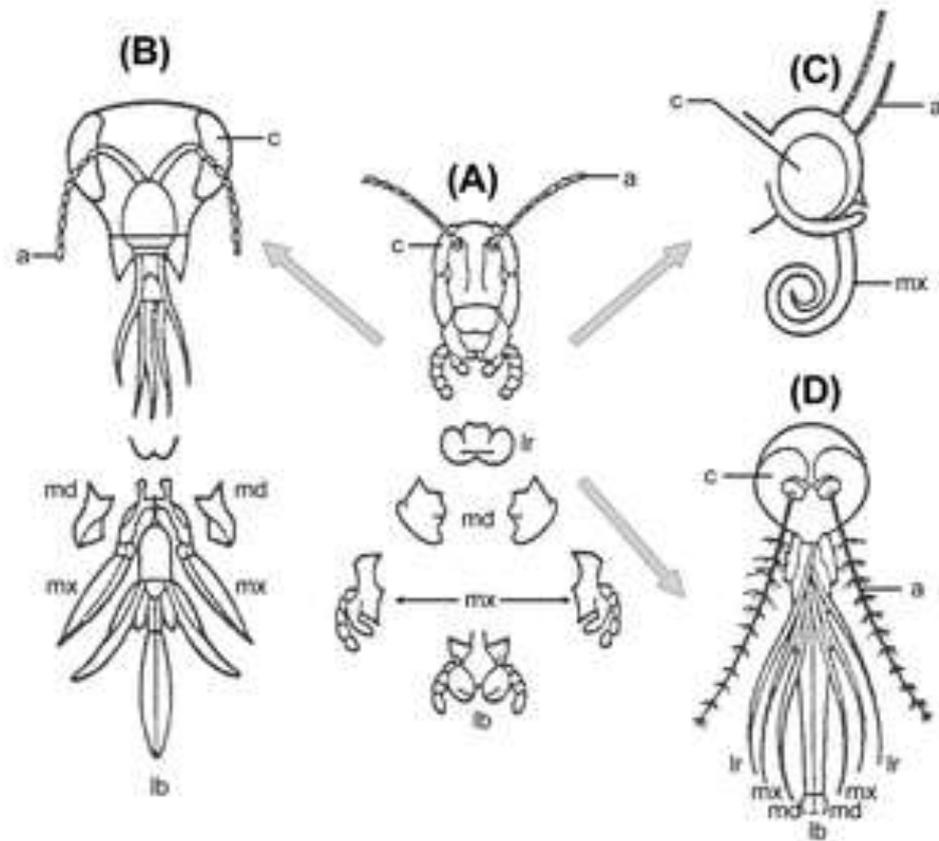
- Monarch Butterfly(Lepidoptera) migration



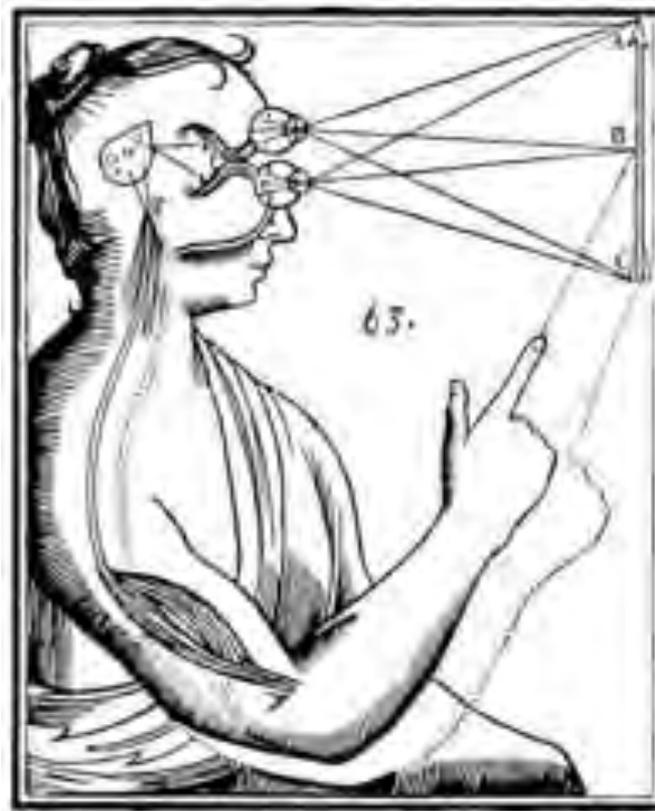
Feynmanium. Atomic number 137.



Anthropod head problem



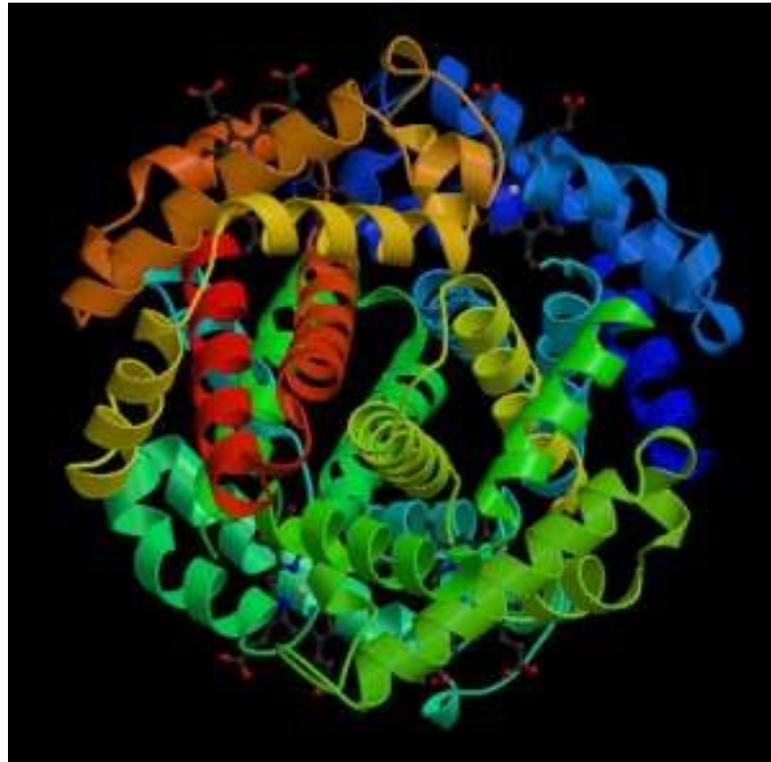
Mind body problem- Philosophy



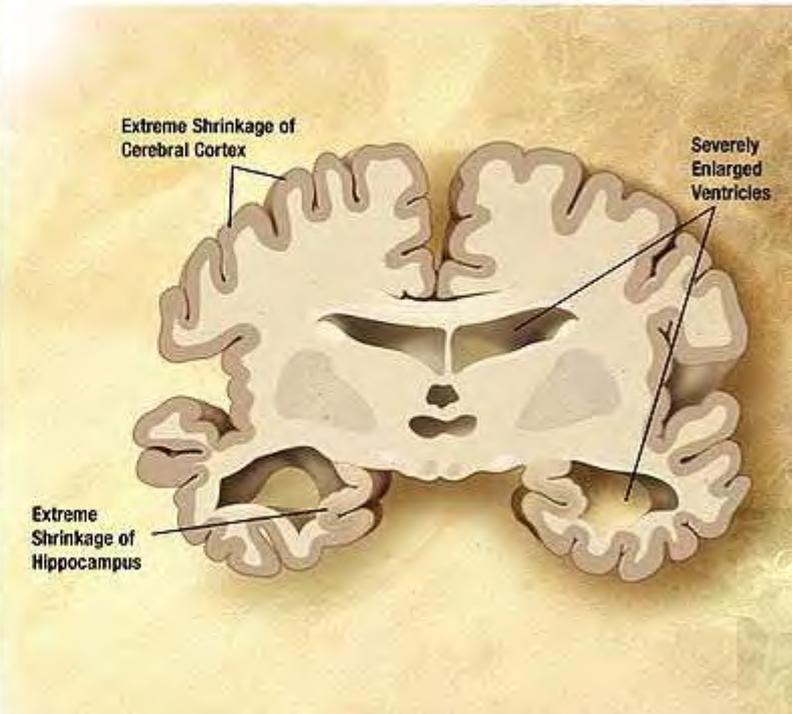
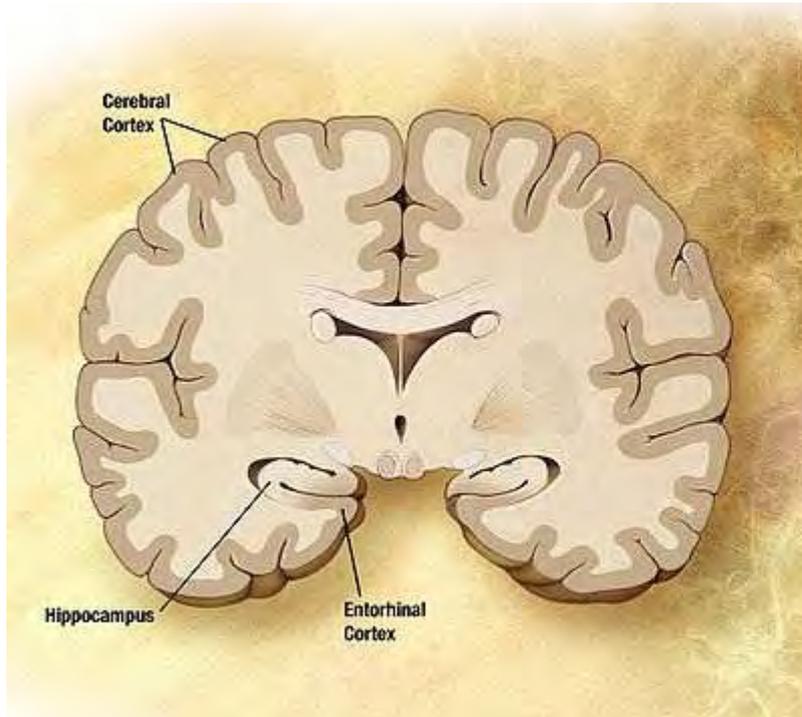
Improved Black Scholes model. Economics

$$\frac{\partial V}{\partial t} + \frac{1}{2}\sigma^2 S^2 \frac{\partial^2 V}{\partial S^2} + rS \frac{\partial V}{\partial S} - rV = 0.$$

Protein folding problem

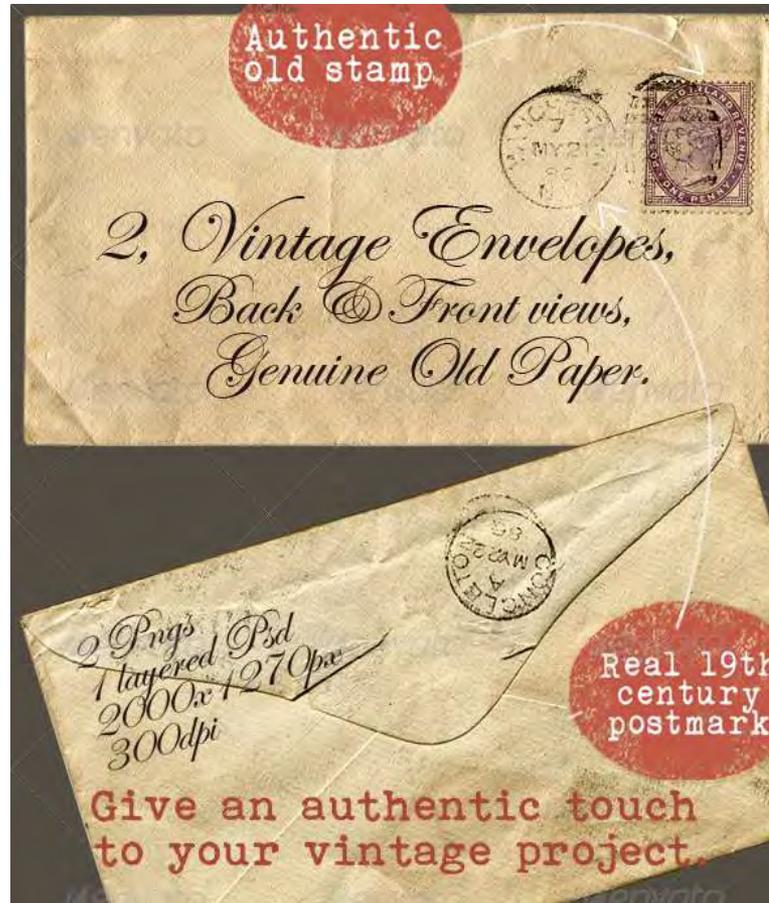


Understanding Alzheimers. Neuroscience

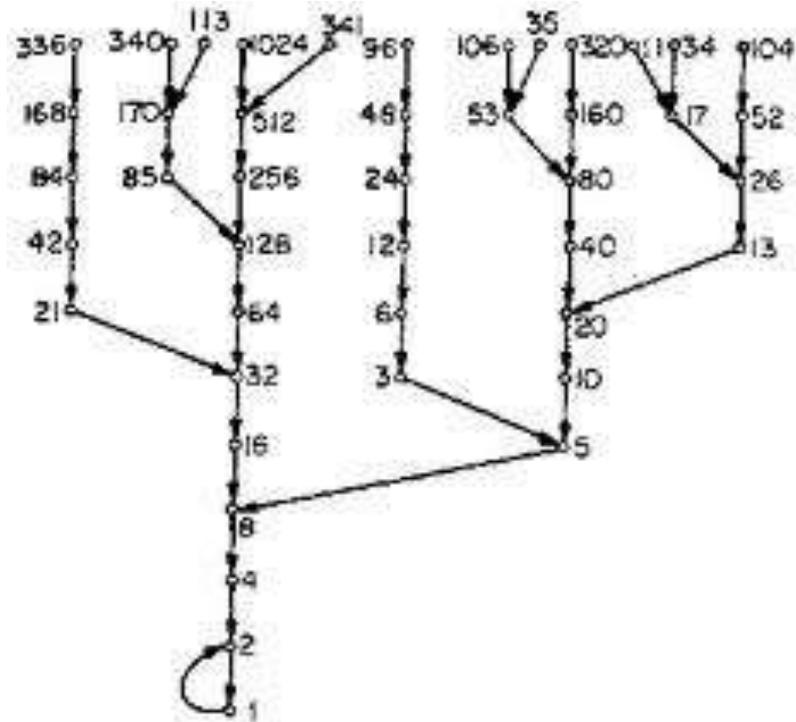


Resolution of 2 envelopes problem

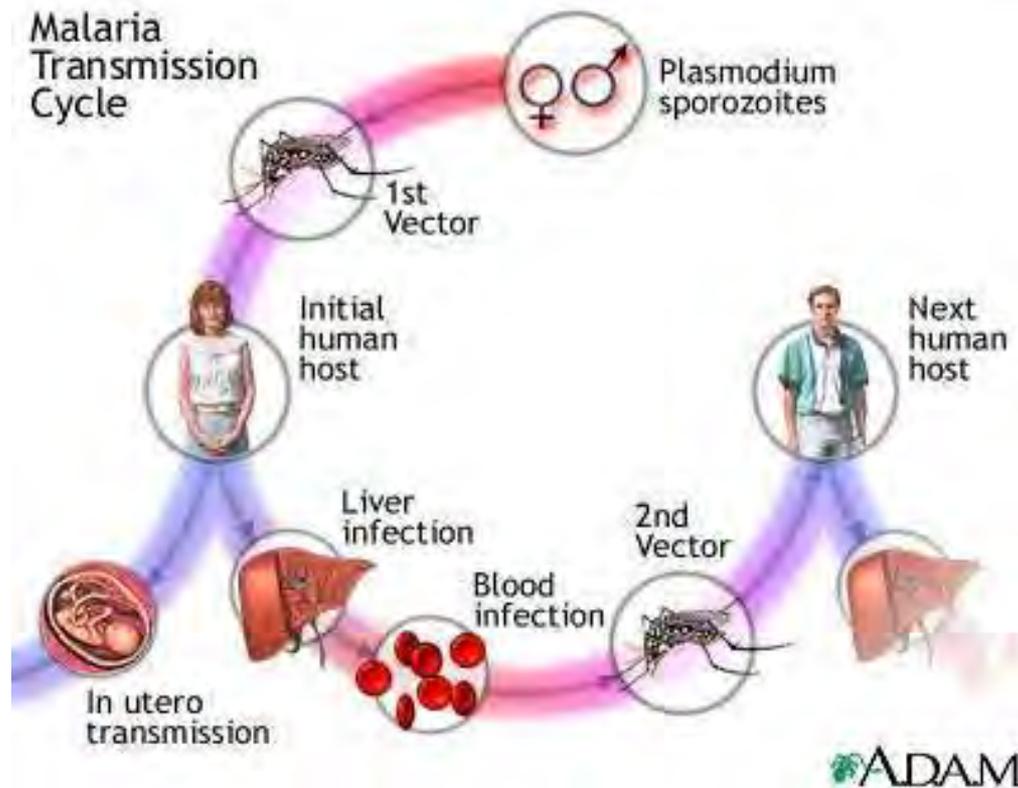
Statistics



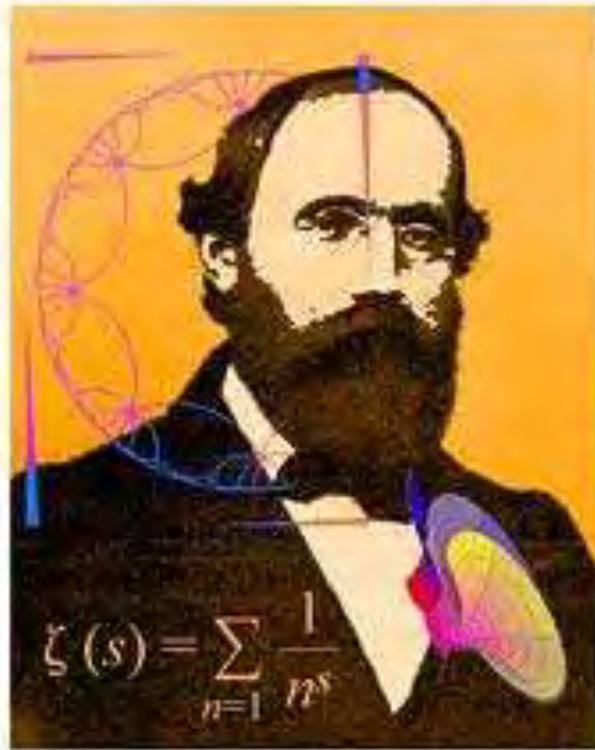
Collatz conjecture



Finding a cure for Malaria



Riemann hypothesis



Georg Friedrich Bernhard Riemann, 1826–1866

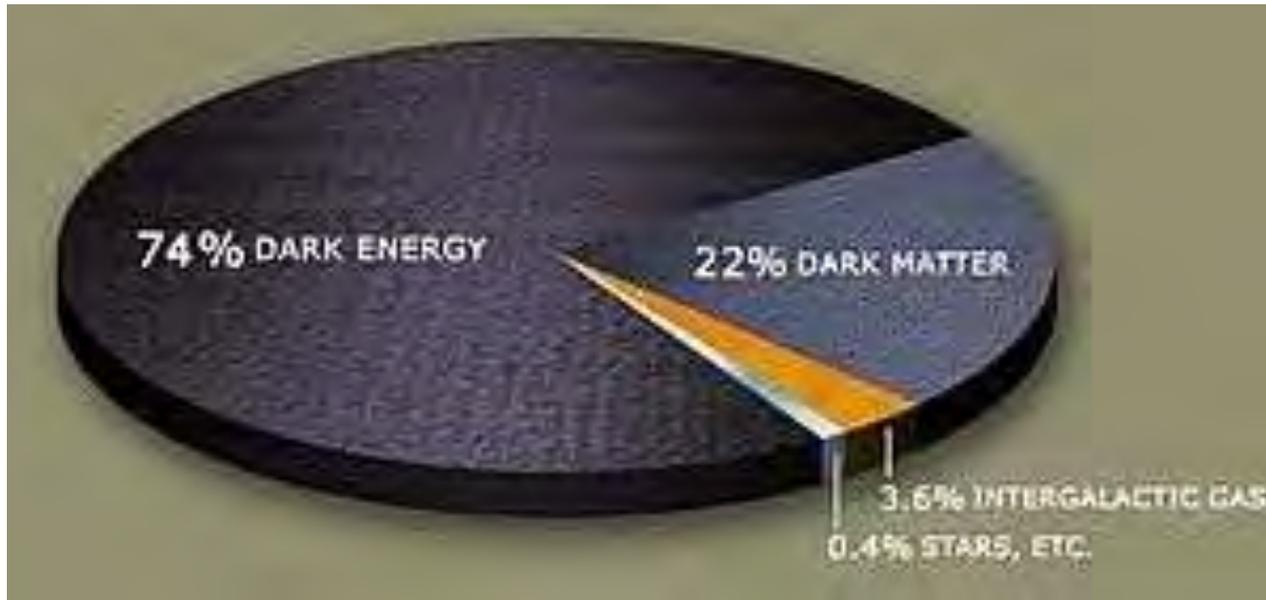
Shape of the universe



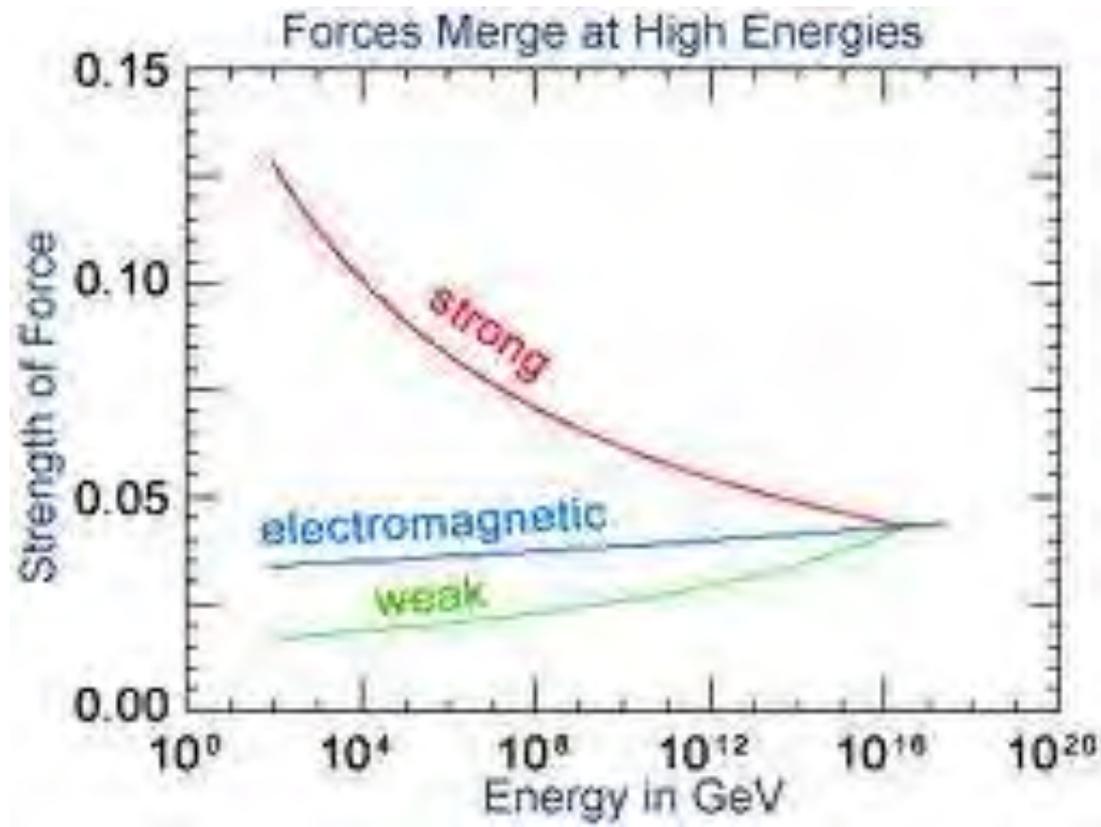
Indus script



Dark matter and energy



Grand unification



Navier Stokes- smoothness and existence

$$\rho \left(\frac{\partial u}{\partial t} + u \frac{\partial u}{\partial x} + v \frac{\partial u}{\partial y} + w \frac{\partial u}{\partial z} \right) =$$

$$\rho g_x - \frac{\partial p}{\partial x} + \frac{\partial}{\partial x} \left[2\mu \frac{\partial u}{\partial x} + \lambda \nabla \cdot \mathbf{V} \right] + \frac{\partial}{\partial y} \left[\mu \left(\frac{\partial u}{\partial y} + \frac{\partial v}{\partial x} \right) \right] + \frac{\partial}{\partial z} \left[\mu \left(\frac{\partial w}{\partial x} + \frac{\partial u}{\partial z} \right) \right]$$

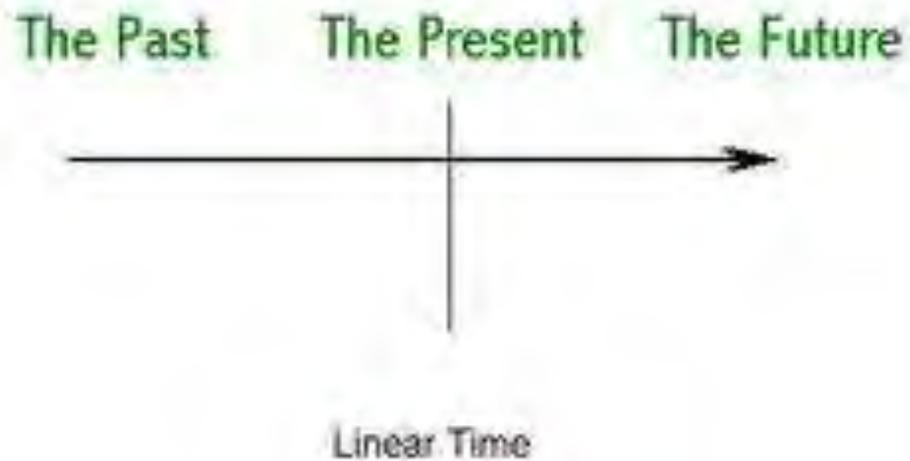
$$\rho \left(\frac{\partial v}{\partial t} + u \frac{\partial v}{\partial x} + v \frac{\partial v}{\partial y} + w \frac{\partial v}{\partial z} \right) =$$

$$\rho g_y - \frac{\partial p}{\partial y} + \frac{\partial}{\partial y} \left[2\mu \frac{\partial v}{\partial y} + \lambda \nabla \cdot \mathbf{V} \right] + \frac{\partial}{\partial z} \left[\mu \left(\frac{\partial v}{\partial z} + \frac{\partial w}{\partial y} \right) \right] + \frac{\partial}{\partial x} \left[\mu \left(\frac{\partial u}{\partial y} + \frac{\partial v}{\partial x} \right) \right]$$

$$\rho \left(\frac{\partial w}{\partial t} + u \frac{\partial w}{\partial x} + v \frac{\partial w}{\partial y} + w \frac{\partial w}{\partial z} \right) =$$

$$\rho g_z - \frac{\partial p}{\partial z} + \frac{\partial}{\partial z} \left[2\mu \frac{\partial w}{\partial z} + \lambda \nabla \cdot \mathbf{V} \right] + \frac{\partial}{\partial x} \left[\mu \left(\frac{\partial w}{\partial x} + \frac{\partial u}{\partial z} \right) \right] + \frac{\partial}{\partial y} \left[\mu \left(\frac{\partial v}{\partial z} + \frac{\partial w}{\partial y} \right) \right]$$

Arrow of time.





$P \neq NP$

Vinay Deolalikar

HP Research Labs, Palo Alto

`vinay.deolalikar@hp.com`

August 6, 2010

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Unsolved problems



MILLENNIUM
TECHNOLOGY
PRIZE

19. What has been blanked out? Put Fundae.
(Pic follows)



UTAH CHIEFS OF POLICE ASSOCIATION



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Search:



Calendar

← January 2012 →

S	M	T	W	T	F	S
> 01	02	03	04	05	06	07
> 08	09	10	11	12	13	14
> 15	16	17	18	19	20	21
> 22	23	24	25	26	27	28
> 29	30	31	01	02	03	04

Today's Events

No Events

Upcoming Events

No Events

Utah Chiefs of Police Assoc. - Annual Conference

The Utah Chiefs of Police Association will be holding their annual conference on March 19-22, 2012. Please mark the dates on your calendar now! More information will follow soon...



Quotes

Few men have virtue to withstand the highest bidder.
— George Washington

Sponsor



Other Stories

- [Utah Chief's Legislative Luncheon](#) (Dec 28, 2011)
- [Utah River Light program now Active!](#) (Mar 21, 2011)
- [UCCIPA Shirts for Sale](#) (Apr 11, 2011)

[Utah Chief's Legislative Luncheon](#)

Meet & Greet your Utah State Senate and House legislator!
Friday, February 13, 2012 at Noon in the Utah State Capitol Rotunda

Please RSVP to [Doreen Rubin](#) if you are coming and if you are bringing anyone with you...

- Blanked out: Megaupload, Greetings from Anonymous hackers
- It was Operation Megaupload
- A day after the SOPA protest on the web, the hacker group Anonymous has taken the blackout theme to a whole new level: in retaliation for the closure of the **Megaupload file-sharing site**, and for its own SOPA protest, the group systematically took down a number of websites.



UTAH CHIEFS OF POLICE ASSOCIATION



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Calendar

January 2012

S	M	T	W	T	F	S
31	02	03	04	05	06	07
08	09	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	01	02	03	04

Today's Events

No Events

Upcoming Events

No Events



MEGAUPLOAD

Anonymous: Recently the United States Governments tyranical leaders have chosen to censor,beat and detain us.T his injustice will not go unpunished.

Greetings World: We are

We Will Not Fall
We Will Stand True,
We Will Stand United
We Are Legion
Expect Us

Utah Chiefs of Police Assoc. - Annual Conference

The Utah Chiefs of Police Association will be holding their annual conference on March 19-22, 2012. Please mark the dates on your calendar now!
More information will follow soon.



Utah Chiefs of Police Legislative Committee

Meet & Greet your Utah State Senate and House legislator!
Friday, February 13, 2012 at Noon in the Utah State Capitol Rotunda

Please RSVP to Gregorio@ucpa.org if you are coming and if you are bringing anyone with you.

Quotes

Free men have virtue to withstand the highest bidder.

— George Washington

Sponsor



Other Stories

- [Utah Chiefs of Police Association Luncheon \(Dec 8, 2011\)](#)
- [Utah State Capitol Construction \(Nov 21, 2011\)](#)
- [UCPA Awards Luncheon \(Nov 11, 2011\)](#)

New bounce

X appears to come from a bad connection between a fibre optic cable that connects to the GPS receiver used to correct the timing of the **Y** flight and an electronic card in a computer. After tightening the connection and then measuring the time it takes data to travel the length of the fibre, researchers found that the data came earlier.

New bounce 2

Who wrote this----

Many physicists would agree that, had it not been for congestion control, the evaluation of web browsers might never have occurred. In fact, few hackers worldwide would disagree with the essential unification of voice-over-IP and public/private key pair. In order to solve this riddle, we confirm that SMPs can be made stochastic, cacheable, and interposable.

Answer

SCLgen, a program created by MIT that generates nonsense in the CS&E papers.