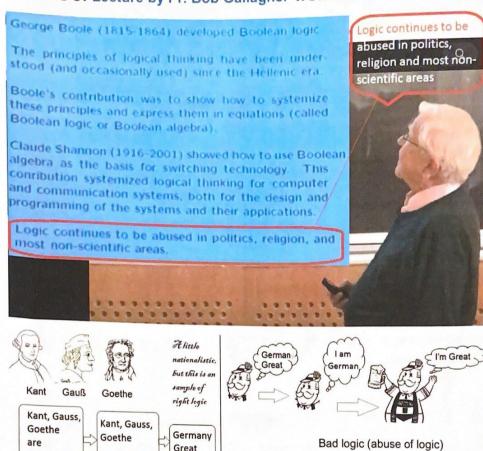
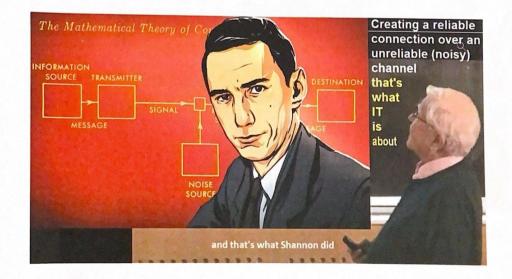


## Resume of Lecture by Pr. Bob Gallagher from MIT Wassachusetts Institute of Technology (MIT)

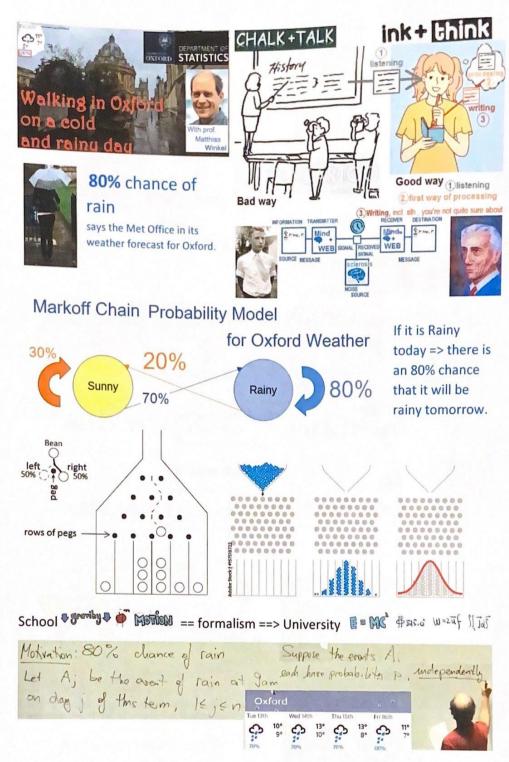




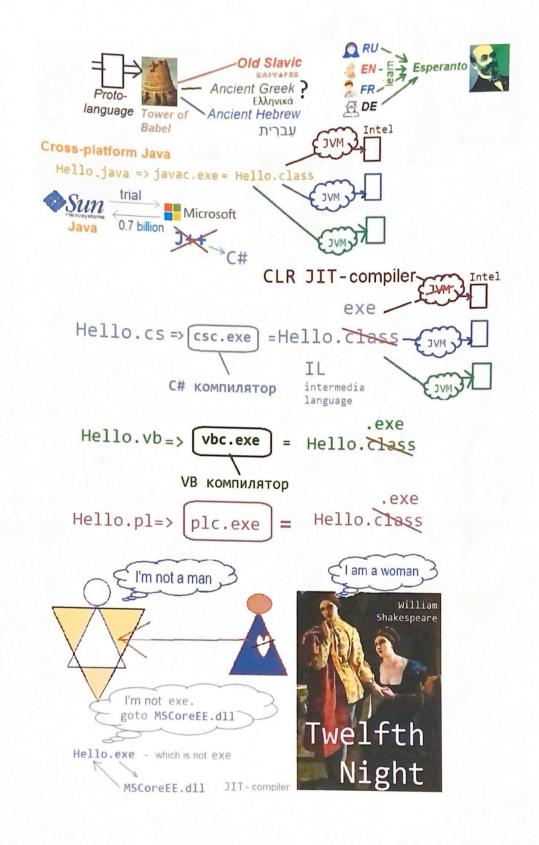
Great

- Germans

great



then take notes on the lecture yourself



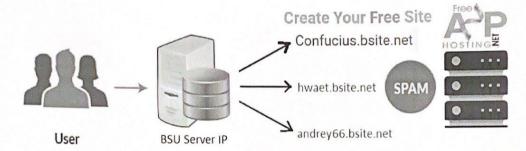
(100)

What should you do at home:
Register free hosting on freeasphosting.net
At home because many hosting services do not register from one IP address.

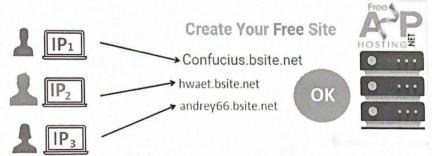
0



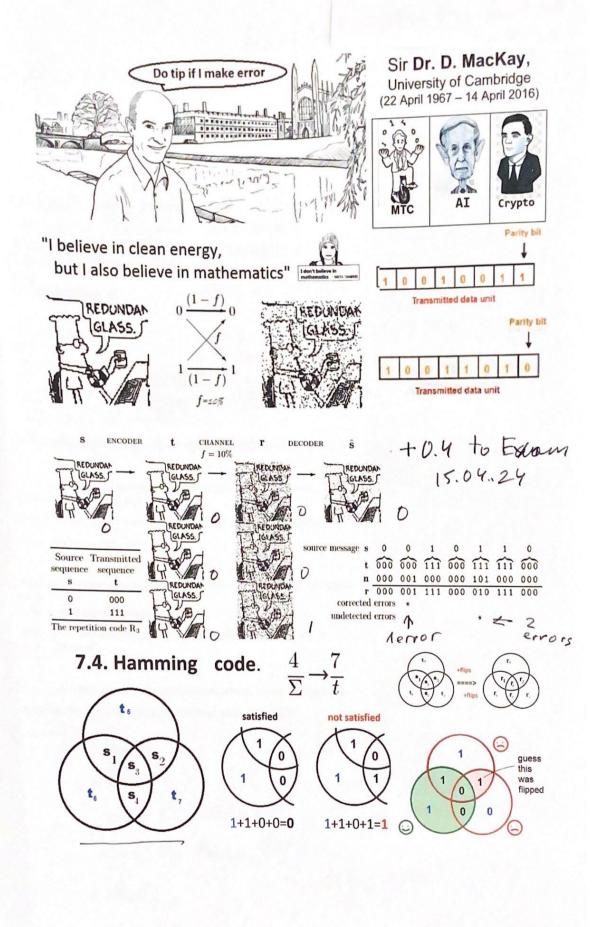
If several dozen hosting attempts to register from one IP address, the **freeaspohosting.net** server may decide that this is a SPAMer and block it.



And if registration is carried out from different computers (with different IP addresses), then the freeasphosting.net server does not raise any suspicions.



After you have registered on the server, send me your address (which you received during registration) by email.



width="150"

What should you do in class: 課堂上你該做什麼:

0. Come up with a good name for your site. 為您的網站取一個好名字。

I came up with a name for my site -Confucius (in my opinion, this is a good

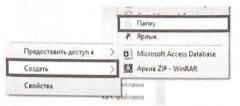
我為我的網站想出了一個名字-Confucius - www.confucius.bsite.net

www.confucius.bsite.net

(在我看來, 這是一個很好的網域)

1.On a HDD-disk or on a flash drive, make a folder that matches the name of the site

www.confucius.bsite.net Новый том (D:) www.confucius.bsite.net



在 HDD 磁碟或快閃磁碟機上,建立一個與網站名稱相符的資料夾

In a folder D:\www.confucius.bsite.net\ create a folder for Projects D:\www.confucius.bsite.net\Projects

在資料夾 D:\www.confucius.bsite.net\ 中為 Projects 建立一個資料夾

D:\www.confucius.bsite.net\Projects

3. In a folder D:\www.confucius.bsite.net\Projects create a folder for Projects Number 0

D:\www.confucius.bsite.net\Projects\0\

在資料夾 D:\www.confucius.bsite.net\Projects 中為 Projects Number 0 建立一個資料夾

4. In a folder D:\www.confucius.bsite.net\Projects\0\ create file index.htm

在資料夾 D:\www.confucius.bsite.net\Projects\0\ 中建立檔案

index.htm

(html) (Body) (H1) IT (/H1) Save As

index utin

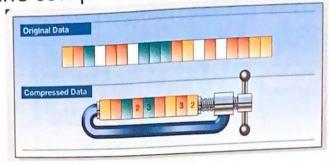
(H3) By Marca (1H3)

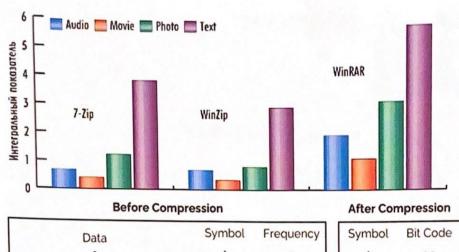
(1Body) (1html)

- Ling src="

Добавлено примечание ([П1]): Добавлено примечание ([П2R1]): Добавлено примечание ([ПЗR1]): Comparison of the compression ratio of

popular archivers



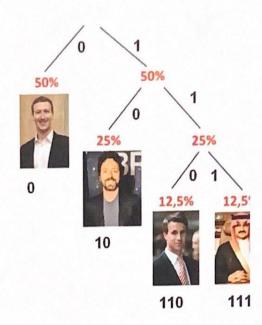


Data	Symbol	Frequency	
	Α	7	
1	В	1	
AAAAAAABCCCCCDDEEEEE	<b>→</b> C	6	
	D	2	
	E	5	

Symbol	Bit Code	
Α	00	
В	111	
C	01	
D	110	
E	10	

Entropy compression ratio

Before Compression = 21 x 8 bits =198 bits After Compression = 7 x 2 bits + 1 x 3 bits + 6 x 2 bits + 2 x 3 bits + 5 x 2 bits = 45 bits



## First-order approximation (symbols independent but with frequencies of Belarusian txt).





## Мама мыла ра

Ma-	2	22%	1-2	ма
ам -	2	22%	3-4	ам
МЫ-	1	11%	5	МЫ
ЫЛ -			6	ЫЛ
ла,-	1	11%	7	ла
		11%	8	ар
pa _	1	11%	9	pa
	0			

0. 4 6 7 3 1 9 1 6 7 3 5 ам ыл ла ам ма ра ма ыл ла ам мы мылла рама





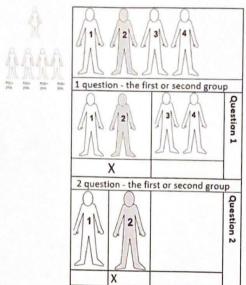
Say NO to



Say YES to the second if it is better than the first



Say NO to the third only if it is worse than all the others



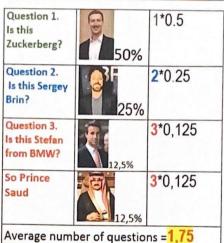
Average number of questions =

2\*0.25+ 2\*0.25+ 2\*0,25+ 2\*0,25



Average number of questions =





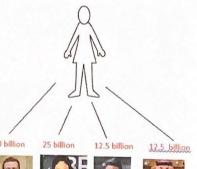
Quantifying information

$$S(x) = \sum_{i=1}^{n} p(i) \log_2 \frac{1}{p(i)}$$

Quantifying information

$$I(x_i) = \log_2\left(\frac{1}{p_i}\right)$$

number of bits required to encode choice





P(1)=



P(2) =

25%



Stefan Quandt P(3) =

12,5%



Prince Al Saud P(4)= 12,5%

