Problem Solving Assessment group: 24

Thank you for looking at our presentation We appreciate it if you could leave all questions till the end.

Captain

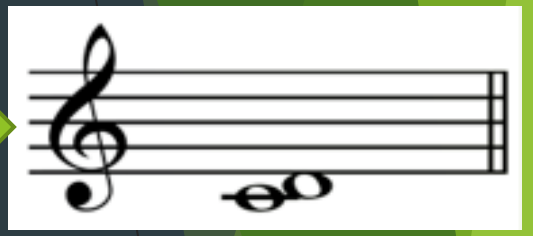
Task 1

Clue 1 - Initial State

- Pre-conceived perception that 'part' and 'major referred to musical notes

In **music**, a **part** is a line of **music** which is played by one player or group of players (or sung by one or more singers). This is the usual meaning of the word "**part**" when talking about musical compositions.

A part and a major note



- Get part major to appear after <p> to the left

- We used translated the notes, hoping they would be the key to the cipher.

The piece marked finger base is FCFC. Fretless base is F EIGHT ALTOGETHER 21:25

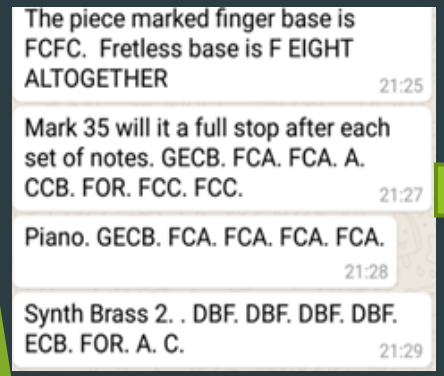
Mark 35 will it a full stop after each set of notes. GECB. FCA. FCA. A. CCB. FOR. FCC. FCC. 21:27

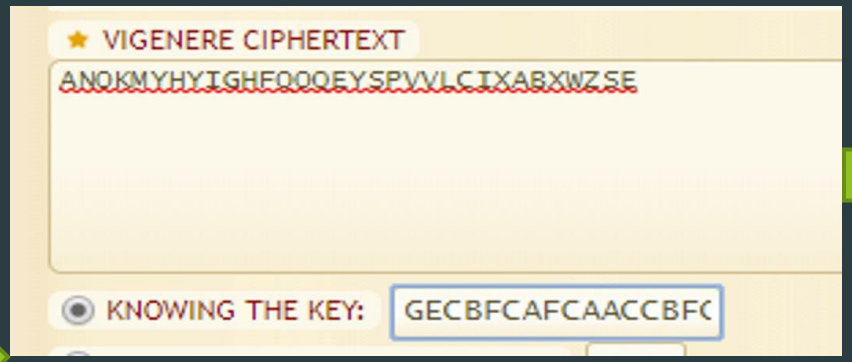
Piano. GECB. FCA. FCA. FCA. FCA. 21:28

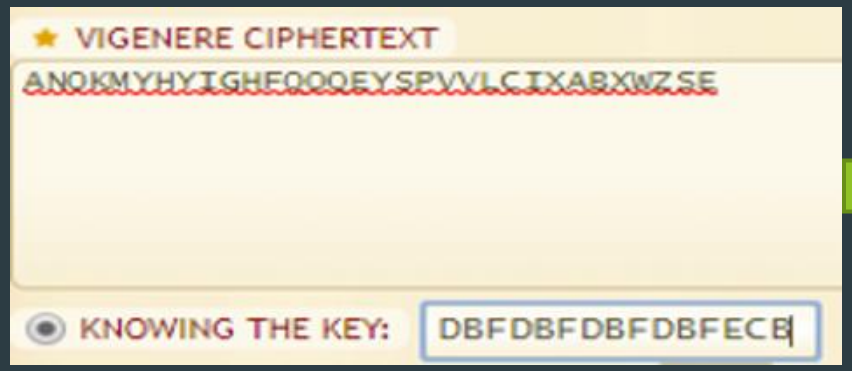
Synth Brass 2. . DBF. DBF. DBF. DBF. ECB. FOR. A. C. 21:29

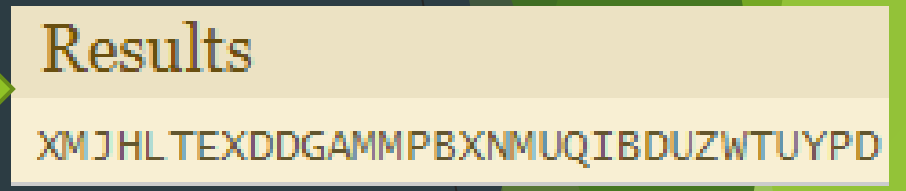
Clue 1 – Hitting a terminal state

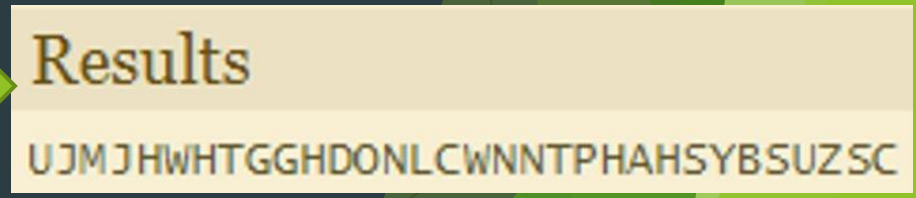
- Using online decryption, from the keys we got translated, none of the keys we found worked.



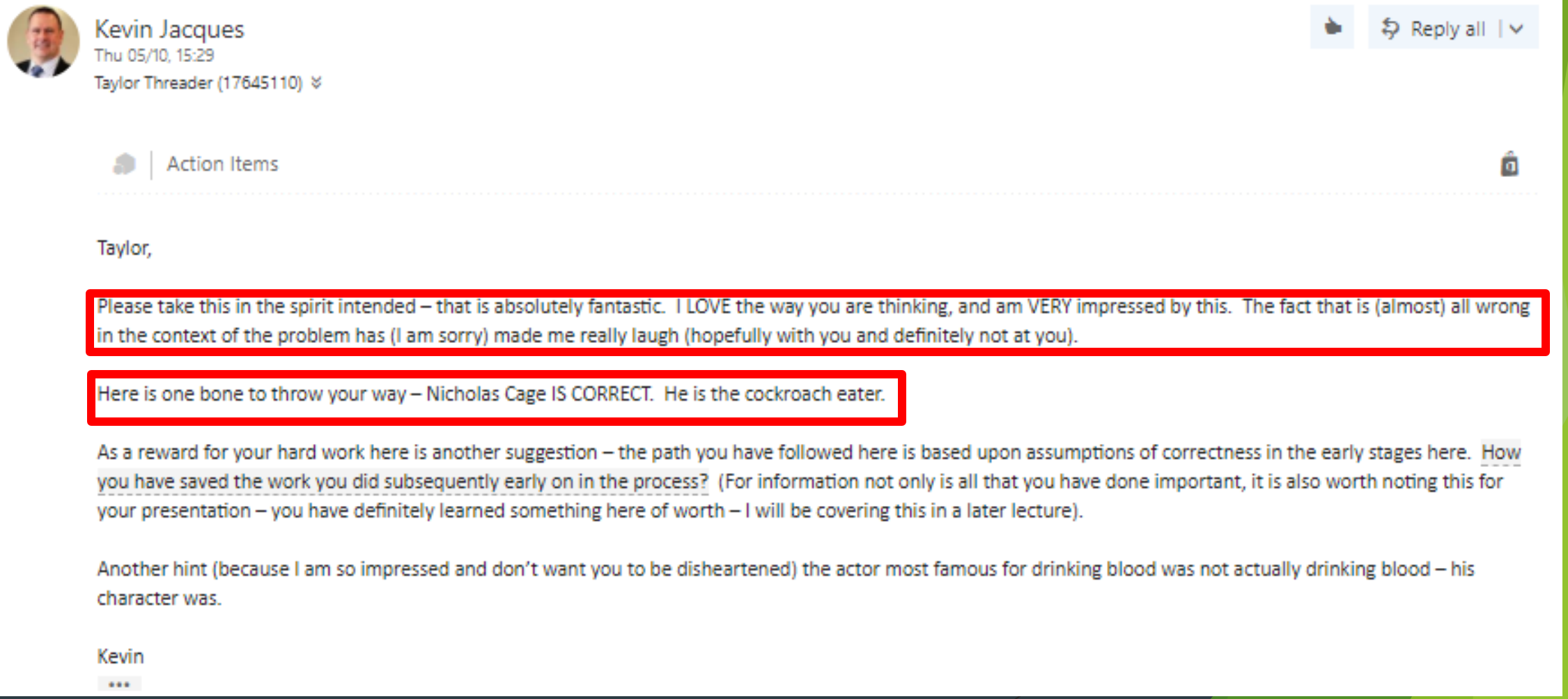








Clue 1



Kevin Jacques
Thu 05/10, 15:29
Taylor Threader (17645110)

Reply all

Action Items

Taylor,

Please take this in the spirit intended – that is absolutely fantastic. I LOVE the way you are thinking, and am VERY impressed by this. The fact that is (almost) all wrong in the context of the problem has (I am sorry) made me really laugh (hopefully with you and definitely not at you).

Here is one bone to throw your way – Nicholas Cage IS CORRECT. He is the cockroach eater.

As a reward for your hard work here is another suggestion – the path you have followed here is based upon assumptions of correctness in the early stages here. How you have saved the work you did subsequently early on in the process? (For information not only is all that you have done important, it is also worth noting this for your presentation – you have definitely learned something here of worth – I will be covering this in a later lecture).

Another hint (because I am so impressed and don't want you to be disheartened) the actor most famous for drinking blood was not actually drinking blood – his character was.

Kevin

...

Clue 1

Kevin Jacques
Sat 07/10, 18:40

Taylor,

Nicholas Cage – check.
Christopher Lee – check.
Gary Oldman (only one appearance as Dracula, so probably stretching it a bit to say he is best known for that role).
Hop Sing – check – excellent research.

I suggest you carefully re-read the way the question is constructed. The link is between the author and the three actors and whilst it does ultimately have a musical connection, the link between them is not necessarily music related. Now that you know the three actors are right it should not take too much effort to work out the connection.

I am a little upset by the assumption that I cannot be into heavy metal!!! I must be honest, I am not familiar with Darkthrone so will definitely check them out. Satyricon I do know (but they don't really float my boat).

If I could find a 'horned demon' hand gesture emoticon I would include it here!

Kevin

Clue 1

- Christopher Lee: Dracula
- Victor Sen Yung: Hop Sing
- Nicolas Cage: Drinking Blood

- Black Sabbath
- Dark Throne
- Charlemagne

Clue 1

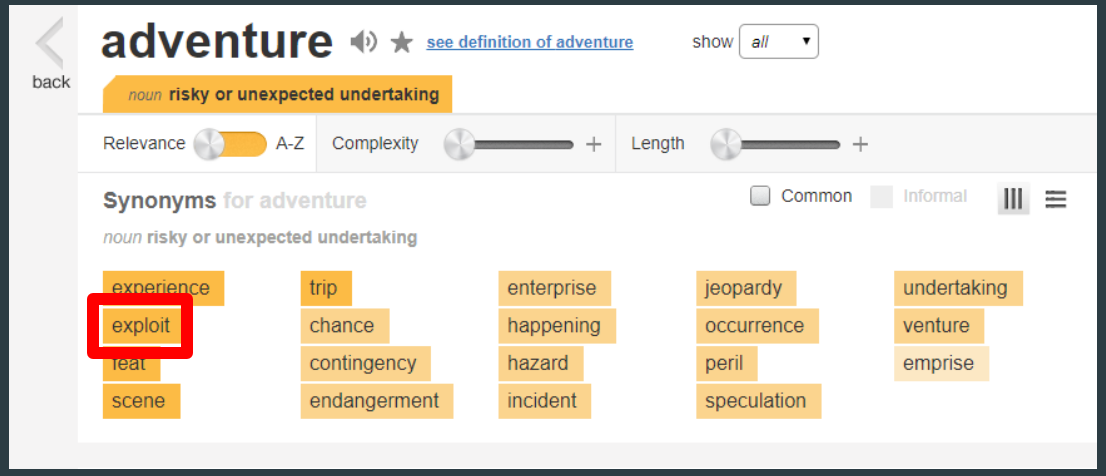
Clue 1

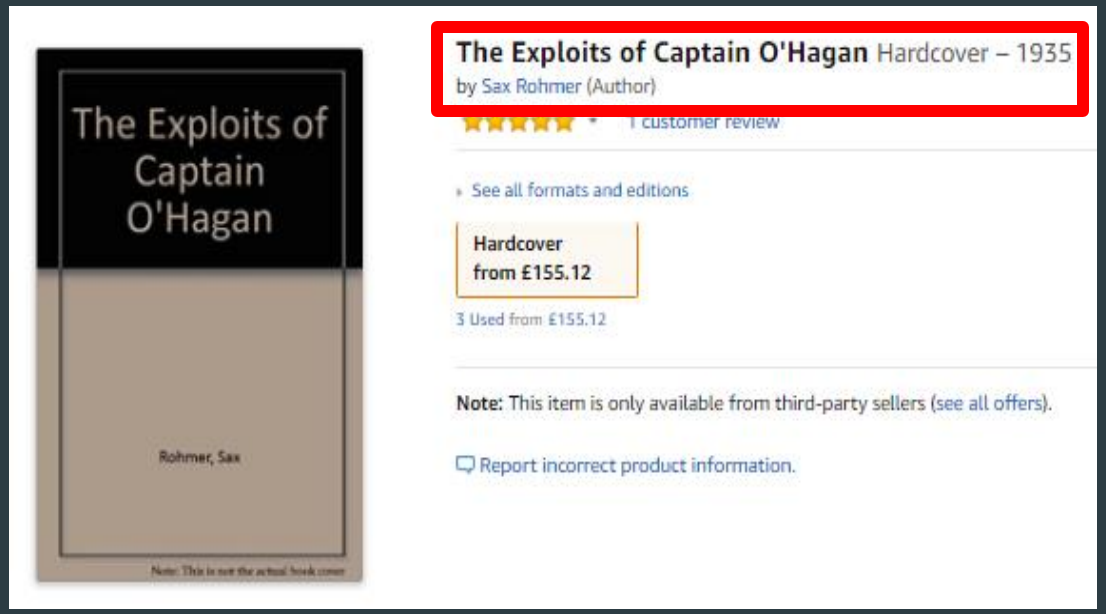
If the man who wrote of the adventures of Captain O'Hagan got together with 3 actors: one who is most famous for his exploits drinking blood; one famous for eating a cockroach; and one most famous for providing food to a family of Nevada ranchers; and they met to discuss their musical preferences, they might all connect with a band that at the time of writing this clue were filling my headphones.

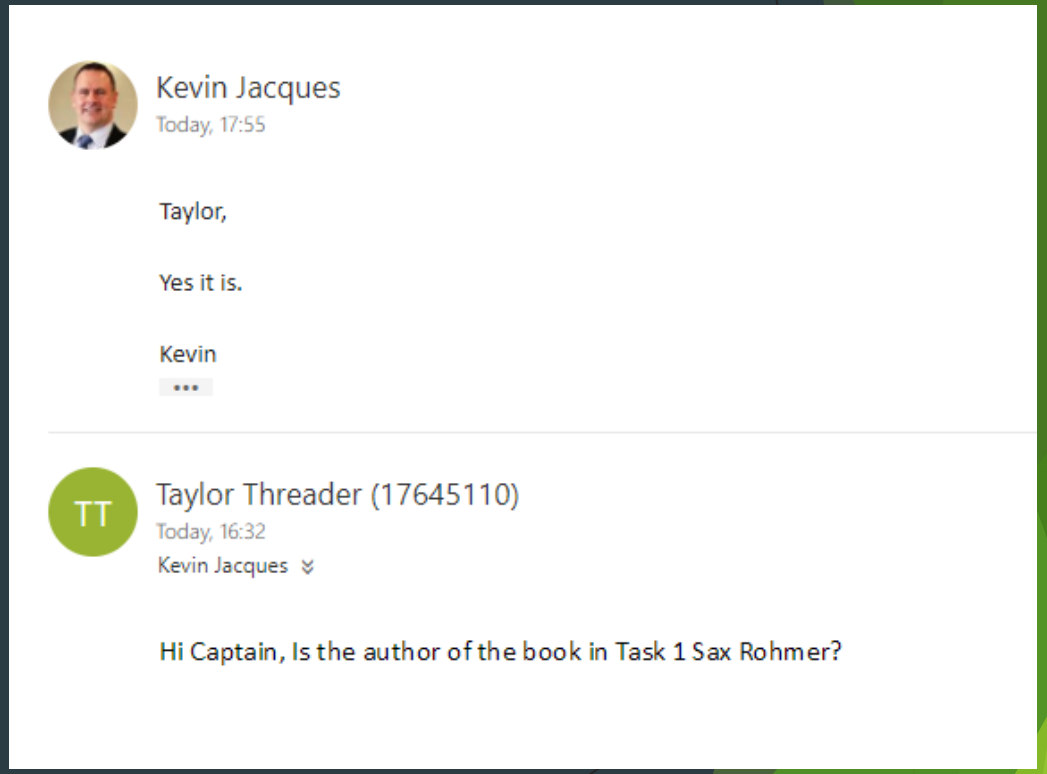
Take the ninth part of the second major collection of this musical connection and make the result the key to Vigenère with this:

ANOKMYHYIGHFQOQEYSPVVLCIXABXWZSE

Clue 1


back
adventure
see definition of adventure
show all
noun risky or unexpected undertaking
Relevance A-Z
Complexity
Length
Synonyms for adventure
Common
Informal
noun risky or unexpected undertaking
experience
exploit
feat
scene
trip
chance
contingency
endangerment
enterprise
happening
hazard
incident
jeopardy
occurrence
peril
speculation
undertaking
venture
emprise


The Exploits of Captain O'Hagan
Rohmer, Sax
The Exploits of Captain O'Hagan Hardcover – 1935
by Sax Rohmer (Author)
1 customer review
See all formats and editions
Hardcover
from £155.12
3 Used from £155.12
Note: This item is only available from third-party sellers (see all offers).
Report incorrect product information.


Kevin Jacques
Today, 17:55
Taylor,
Yes it is.
Kevin
TT
Taylor Threader (17645110)
Today, 16:32
Kevin Jacques
Hi Captain, Is the author of the book in Task 1 Sax Rohmer?

Clue 1

- Nicolas Cage
  - Made an uncredited camo appearance as Fu Manchu During a trailer
- Christopher Lee
  - ***The Face of Fu Manchu***
  - ***The Brides of Fu Manchu***
  - ***The Vengeance of Fu Manchu***
  - ***The Blood of Fu Manchu***
  - ***The Castle of Fu Manchu.***

Clue 1

- We related Victor Sen Yung (Hop Sing) by an article comparing the Fu Manchu to the Chan Series

Some critical perspectives on Charlie Chan

Fu manchu 2/7

Balio on Charlie Chan, *Grand Design* 335-37:

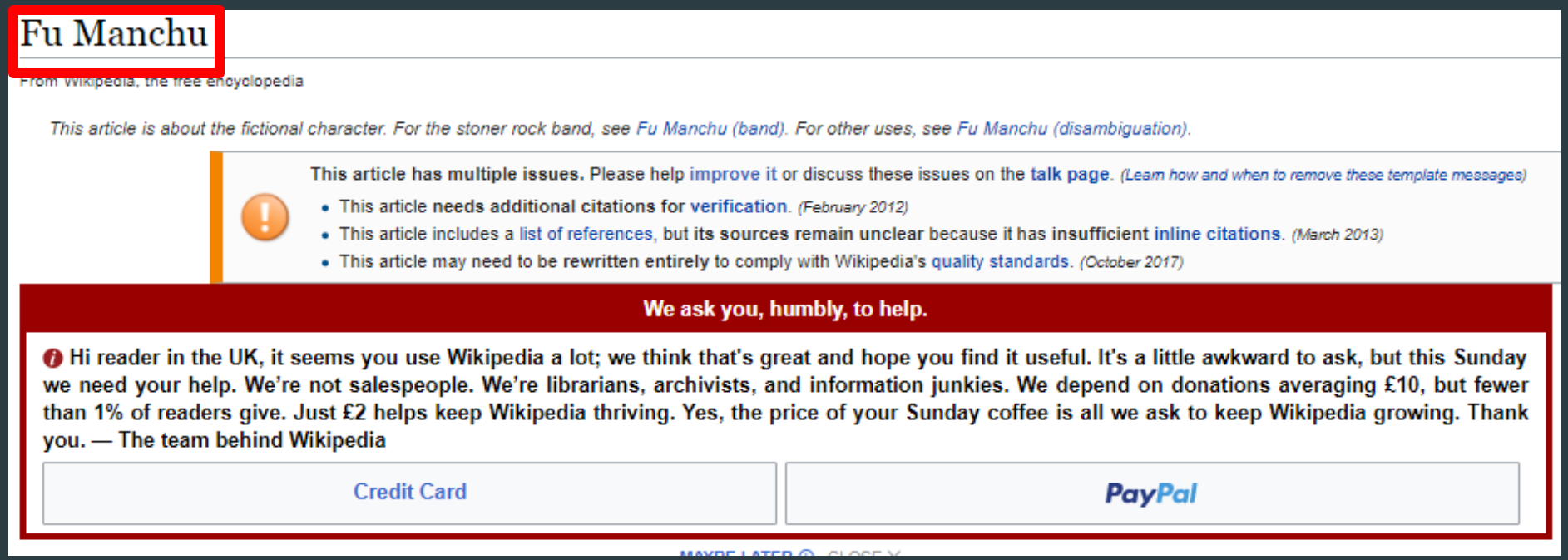
The 1930s B could be an unrealized progressive force, as exemplified in the Charlie Chan series. While the films are justifiably criticized for not casting a Chinese lead, the role had been twice entrusted to Japanese actors, Kamiyama Sojin and George Kuwa, in several films made before Earl Derr Biggers's literary character achieved motion-picture popularity. Not until Warner Oland was given the role in CHARLIE CHAN CARRIES ON in 1931 did the part win acceptance in popular movie culture. The Swedish Oland had played both white and Oriental characters in the past and became increasingly absorbed in Chinese lore as the Chan role assumed a steadily larger share of his time. Indeed, just before playing Chan, Oland had been cast in a brief series of A pictures based on the menace of Sax Rohmer's paradigm of the "yellow peril," Fu Manchu. The transition from Rohmer's villain to Biggers's hero was no minor event: it indicated a fundamental reversal in Hollywood's treatment of Oriental characters, and the Mr. Moto and the Mr. Wong series later in the decade gave ample evidence of the extent of the change. Indeed, the film version of Mr. Moto so valorized John P. Marquand's decidedly ambivalent literary character, a Japanese secret agent, that the series had to be dropped with the dawning of World War II.

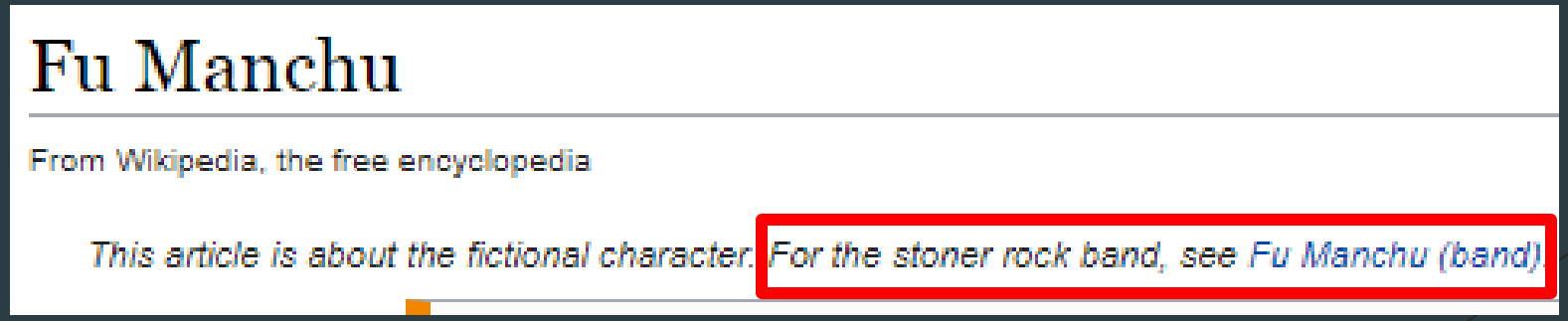
The Chan series, lasting eighteen years and forty-four films, offered its hero as a wise and paternal humanistic figure. Despite popular misconceptions, Chan never spoke "Pidgin English"; his language was invariably elegant, that of a cultured immigrant. His "number-one," "-two" and "-three" sons (always enacted by Orientals, most notably Keye Luke and Victor Sen Yung) were depicted as assimilating into American culture and were used as foils to note the resulting generational and ethnic changes, through gentle comedy echoing the pattern of Dr. Watson and Sherlock Holmes. The Chan films, in a manner unique for the time, offered a warm portrayal of a family emerging from a very different culture. Chan was etched as a loving father and patient parent of a dozen children, and his concern for them, together with his intelligent detection and Oriental wisdom, embodied in the form of proverbs, offered a unique character and a major positive development of Hollywood's treatment of minorities.

The Chan series actually began as A's, straight adaptations of the Biggers novels. Not until five of the six books had been filmed did the studio decide to send Chan around the world in search of new story material, and the movies then acquired certain series accoutrements. The Chans became so successful as programmers that although made by the B unit, they were sold to exhibitors on a percentage basis rather than for the flat fee charged for typical B's. Indeed, the films with Oland have the indulgence and pacing typical of A's. Not until after the star's death in 1938, when the detective's role was taken over by Sidney Toler (and eventually Roland Winters), did the series acquire the B look, with much faster pacing and typically B mystery plots—which made for more exciting, if less unusual, films.

Clue 1

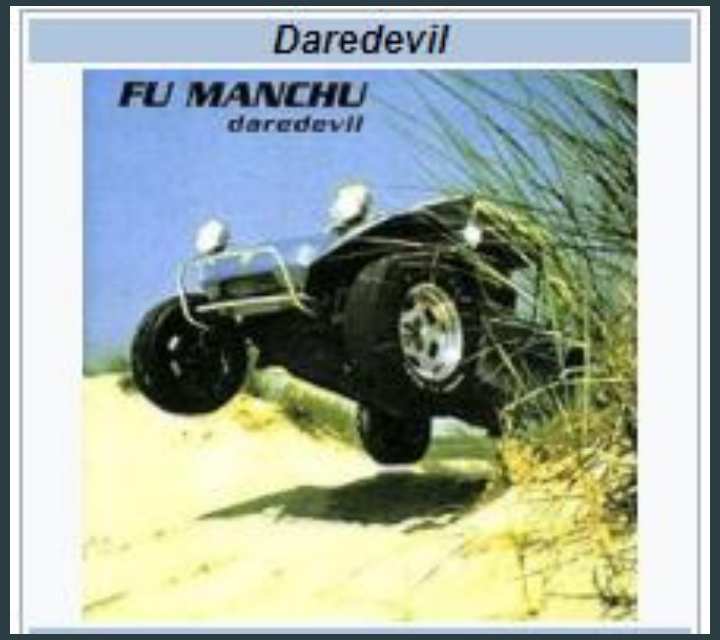
- We focused on the Fu Manchu Wiki





Clue 1

- Fu Manchu's 2th album: Daredevil, the 9th song is Egor.

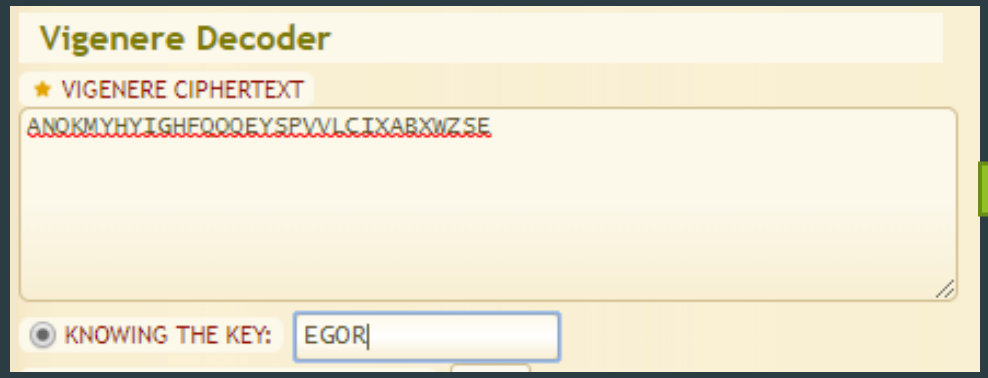


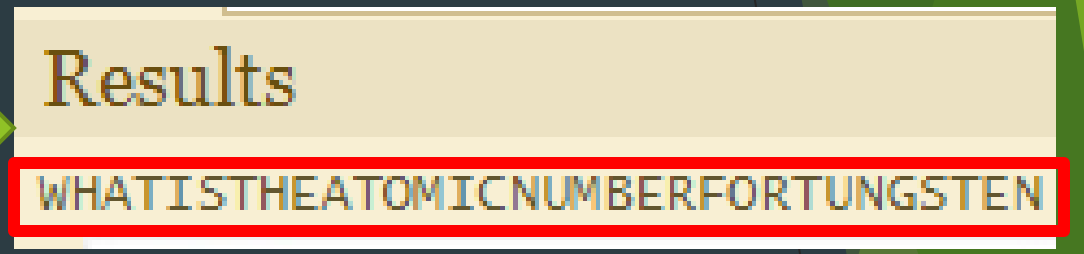
Track listing [edit]

1. "Trapeze Freak" – 4:18
2. "Tilt" – 3:00
3. "Gathering Speed" – 4:22
4. "Coyote Duster" – 2:51
5. "Travel Agent" – 4:12
6. "Sleestak" – 3:42
7. "Space Farm" – 5:30
8. "Lug" – 3:29
9. "Egor" – 3:36
10. "Wurkin'" – 3:37
11. "Push Button Magic" – 4:56

Clue 1

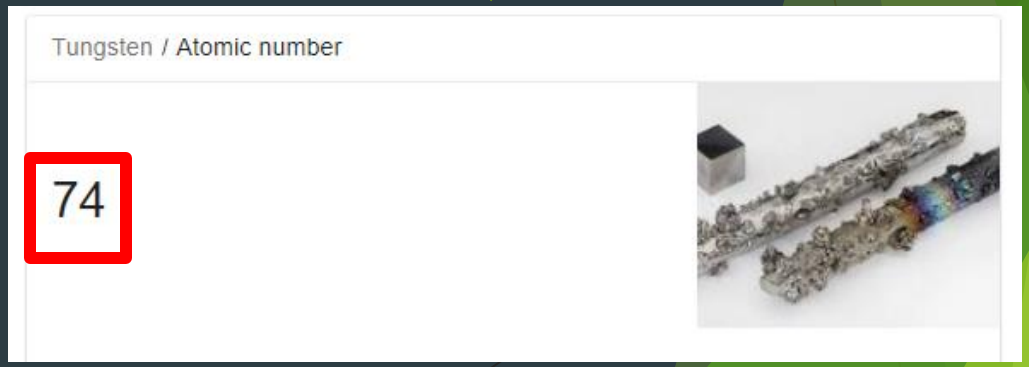
- Translating the Vigenere Cipher





What is the atomic Number for Tungsten

Atomic number is:



Clue 2

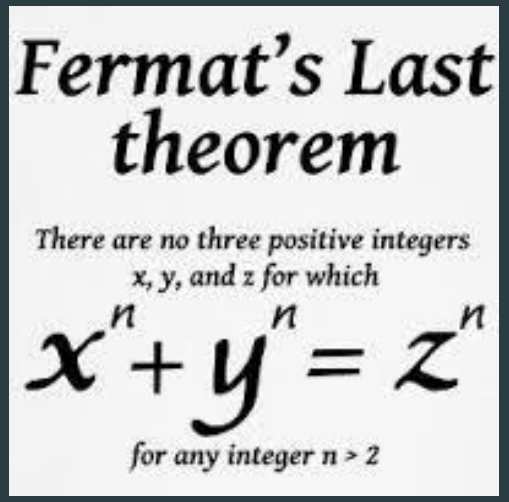
Clue 1: 74
Clue 2: XX
Clue 3: XX
Clue 4: XX
Clue 5: XX
Clue 6: XX

Clue 2

- Initial question:

> If Boole wrote the answers to these questions, what non-zero number might he SAY was their combination? Square and subtract 1.

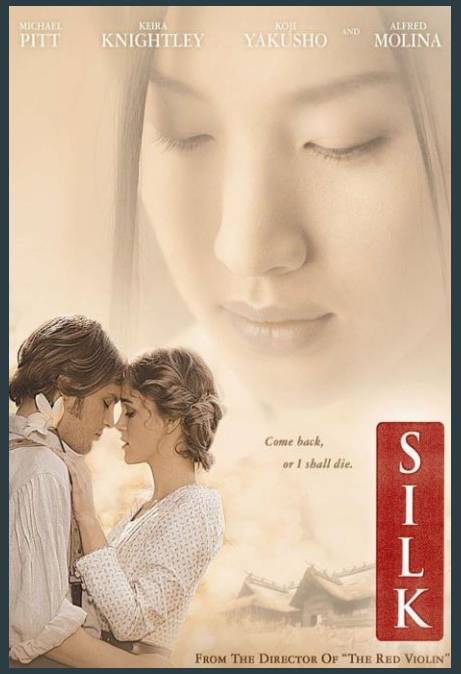
- Fermat's Last theorem:



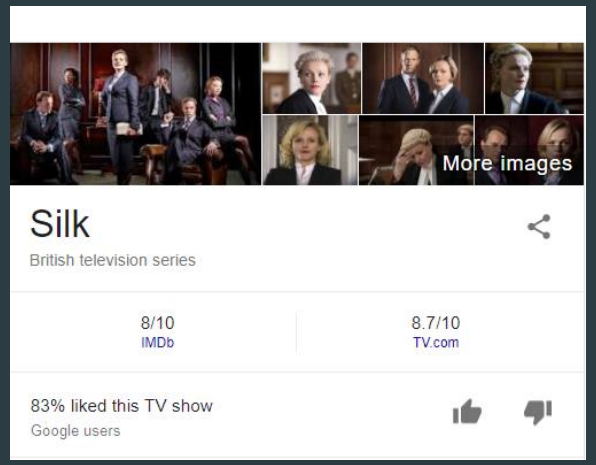
Clue 2

- We established what the clues in the question meant.
  - Bombyx Mori (Silkworm)

Keira Knightley

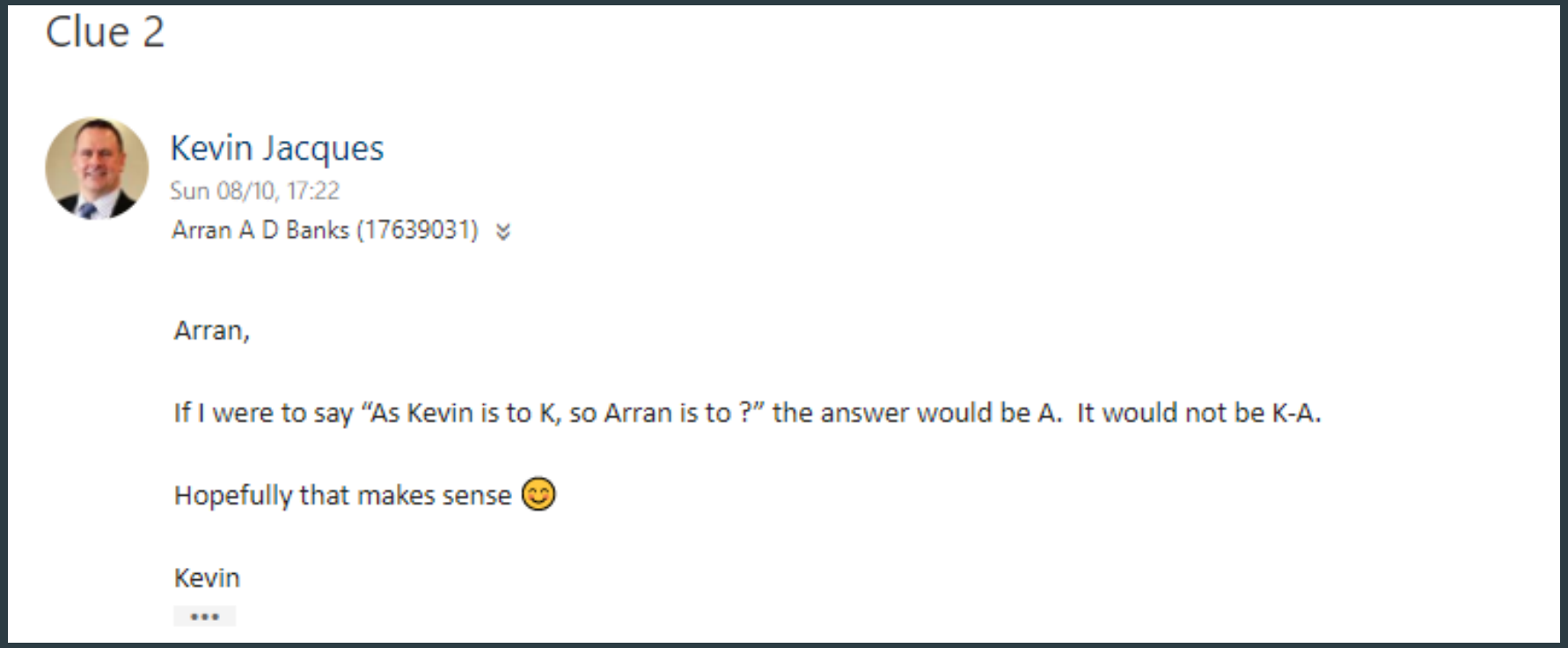


Maxine Peak



Clue 2

- With a bit of help...



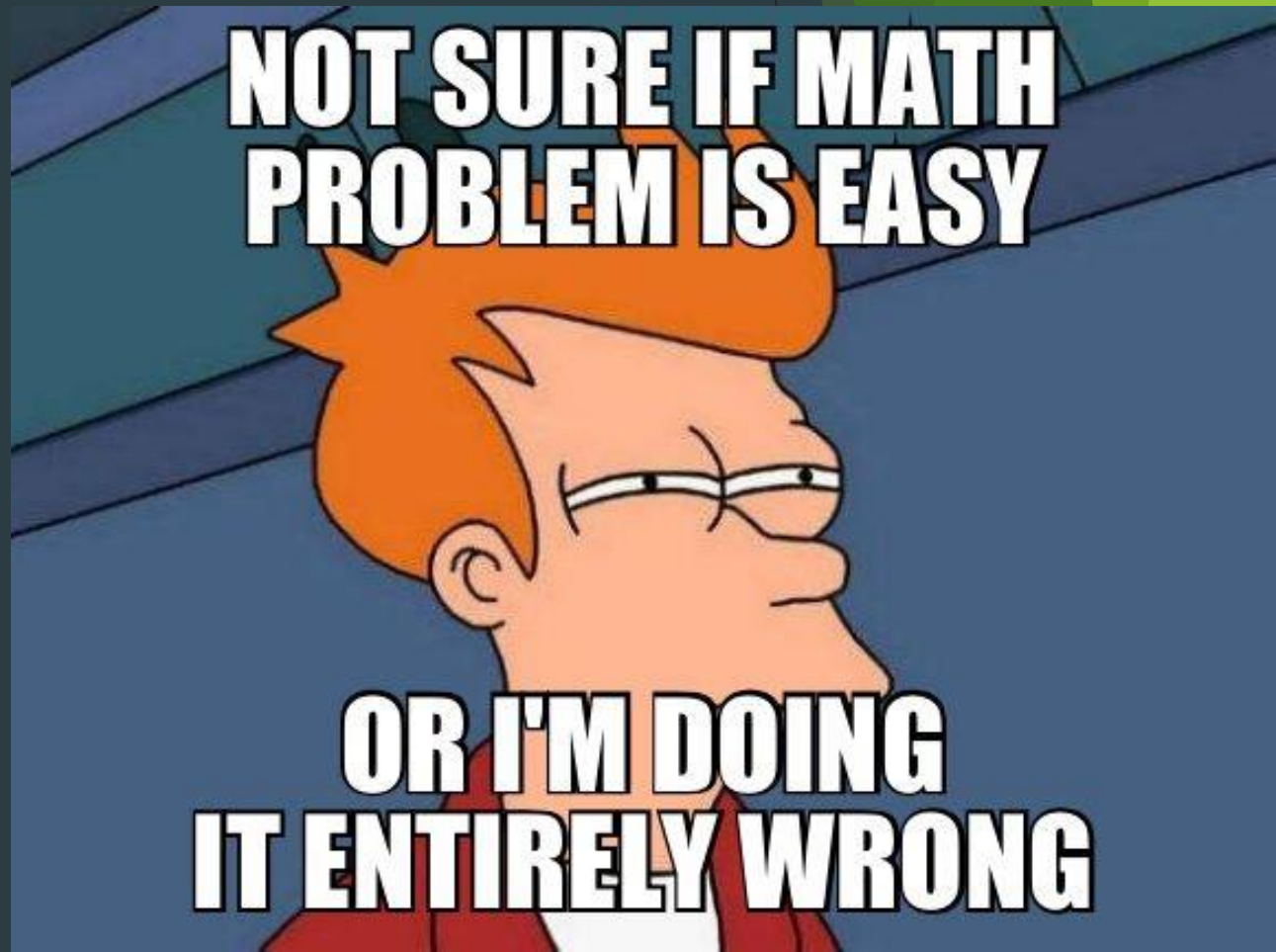
- (0356191605 is to 3 so, 0575049804 is to 12)
  - Therefore 12-12 = 0

Clue 2

- Lincoln Cathedral spire height: 83m
- Statue of liberty spire height: 93M

Clue 2

- The maths, calculating 2C
- Height of Lincoln cathedral = 0.892473 * X
- 83 = 0.
- 83 =0.892473 * 93
- 83 = 82.999989
- Round this up and it becomes 83 = 83
- Difference is = 0



Clue 2

> If Boole wrote the answers to these questions, what non-zero number might he SAY was their combination? Square and subtract 1.

- Our current answer
  - 100 converted into decimal = 4
  - 4 squared (symbol here) = 16
  - 16-1 = 15
  - Total answer 15, which was incorrect
- Method
  - Question (X^2 -1) , X must be (4-10)
  - (answer length == 2)
  - Therefore,
  - Range : 15, 24, 35, 48, 63, 80, 99

Clue 2

- Correct question

Clue 2

If Boole wrote the answers to these questions, what non-zero number might he SAY was their combination? Cube and subtract 21.

- Therefore: 4 cubed = 64 – 21 = 43

Clue 2

- Simons' Model
  - DETECT
  - DECIDE
  - REMEMBER
  - ACT

Clue 3

Clue 1: 74
Clue 2: 43
Clue 3: XX
Clue 4: XX
Clue 5: XX
Clue 6: XX

Clue 3

Chalon Basket Club

The **Chalon Basket Club, known** as the *CBC* (formerly *Union Sportive des Cheminots Chalonnais*) is a women's basketball club in Saone-et-Loire . He is based in Chalon-sur-Saône and evolves for the 2016-2017 season in National 3 , fifth tier of French basketball. The CBC has evolved into the French second division (*National 1B* then *National Women 1*) from 1994 to 2002 .

Summary [masquer]

History change the code]

This club was created in 1946 under the name of the Athletic *Union of Chalonnais* Railroads (USCC) and at the beginning, this corporative club counted almost as licensees of the SNCF [1] . At its creation, this sports club (Balls , football and basketball) was founded by Mr Ponsard [2] . In 1975 , the CBC went up in National 3 and the following season (1976) in National 2 [3] . In 1985 , a change of name takes place and *Union des Cheminots Chalonnais* the club takes its current name: the Chalon Basket-Club [1] . The club plays in the 90s at the House of Sports . In 1994 , the club chalonnais accesses the National 1B [4] . The Chalonnaises sign a balanced record of 13 wins and 13 defeats in the seasons 1994-1995 and 1995-1996 [5] . In 1996 , the team 2 club Chalonnais rises in National 3 [4] .

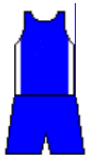
For the 1996-1997 season, the CBC finished 2nd in Pool 1 in N 1B (17 wins for 5 losses [6]) and played in the National 1A play- offs against Rennes (semi-final of the playoffs). off)

Chalon Basket Club

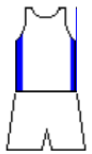
Overview

nicknames	*CBC*
Previous names	Athletic Union of the Chalonnais Railway
Foundation	1946
Professional status	No
Colors	Blue and white
Room	Gymnasium of the Glassworks (600 places)
Seat	4 rue Flandres Dunkirk, 71100 Chalon-sur-Saône
Current Championship	National 3
President	Gilles Prudon
Coach	Bilel Kedher
Website	Official site

Jerseys



Home



Outside

edit

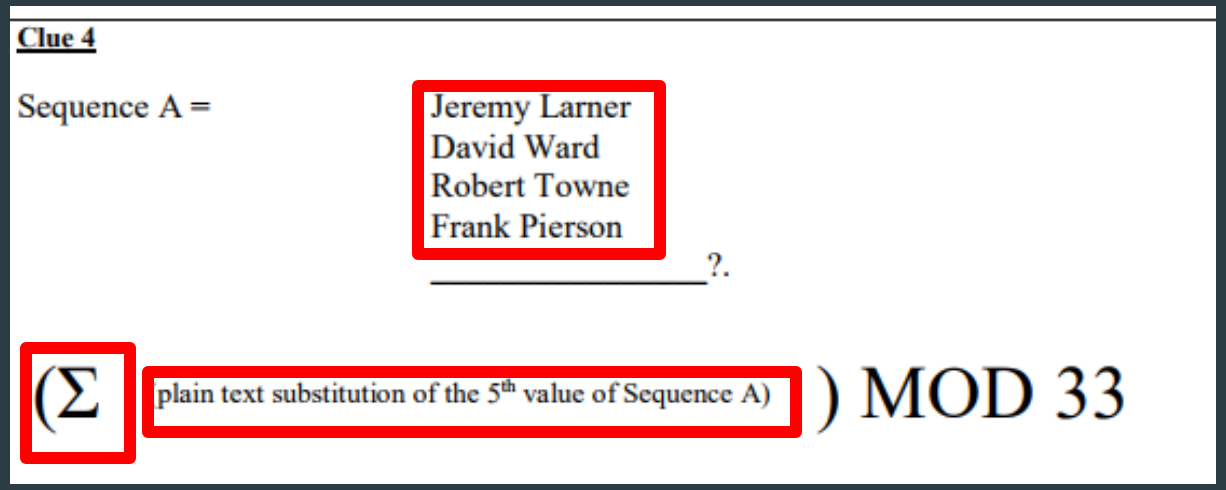
Clue 3

Clue 4

Clue 1: 74
Clue 2: 43
Clue 3: 61
Clue 4: XX
Clue 5: XX
Clue 6: XX

Clue 4

- Initial State:
  - We knew all five names related to one another
  - Σ = the sum of
  - Plain text substitution could represent binary or ascii code.

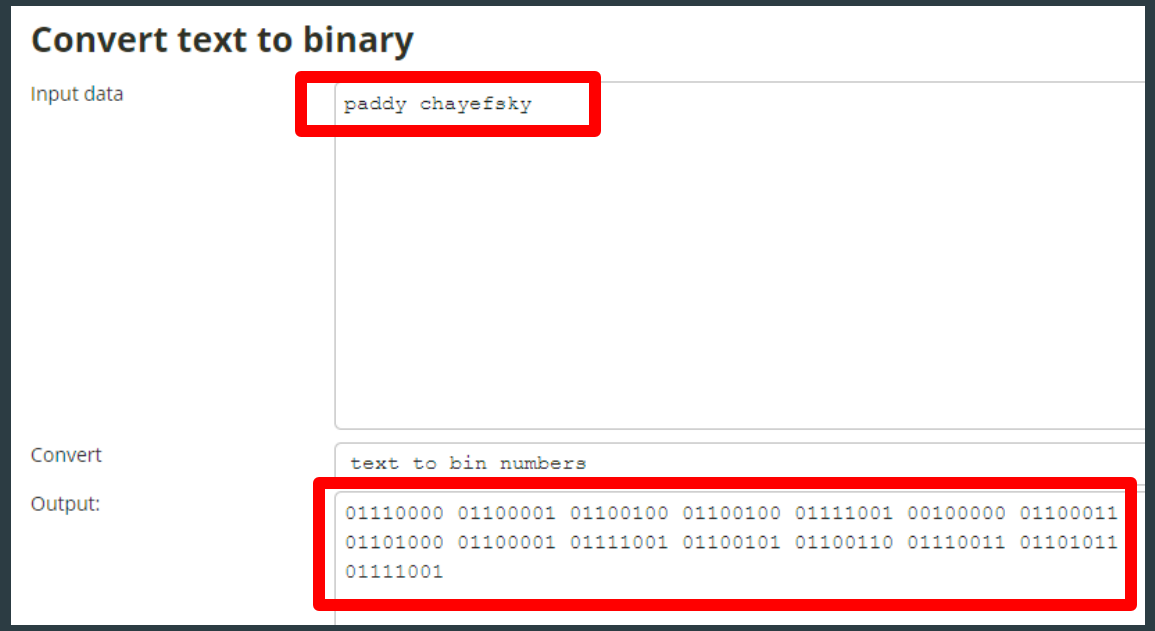


Clue 4

- Academy award for best original screenplay

1961–1980	William Inge (1961) · Ennio de Concini, Pietro Germi, and Alfredo Giannetti (1962) · James Webb (1963) · Peter Stone and Frank Tarloff (1964) · Frederic Raphael (1965) · Claude Lelouch and Pierre Uytterhoeven (1966) · William Rose (1967) · Mel Brooks (1968) · William Goldman (1969) · Francis Ford Coppola and Edmund H. North (1970) · Paddy Chayefsky (1971) · **Jeremy Larner** (1972) · David S. Ward (1973) · Robert Towne (1974) · Frank Pierson (1975) · Paddy Chayefsky (1976) · Woody Allen and Marshall Brickman (1977) · Robert C. Jones, Waldo Salt, and Nancy Dowd (1978) · Steve Tesich (1979) · Bo Goldman (1980)

- Then converted 'Paddy Chayersky' into binary



Clue 4

- Plain text substitution

p	a	d	d	y	C	h	e	y	e	f	s	k	y
16	1	4	4	25	3	8	5	25	5	6	19	11	25

1	2	3	4	5	6	7	8	9	10
a	b	c	d	e	f	g	h	I	j

11	12	13	14	15	16	17	18	19	20
k	l	m	n	o	p	q	r	s	t

21	22	23	24	25	26
u	v	w	x	y	z

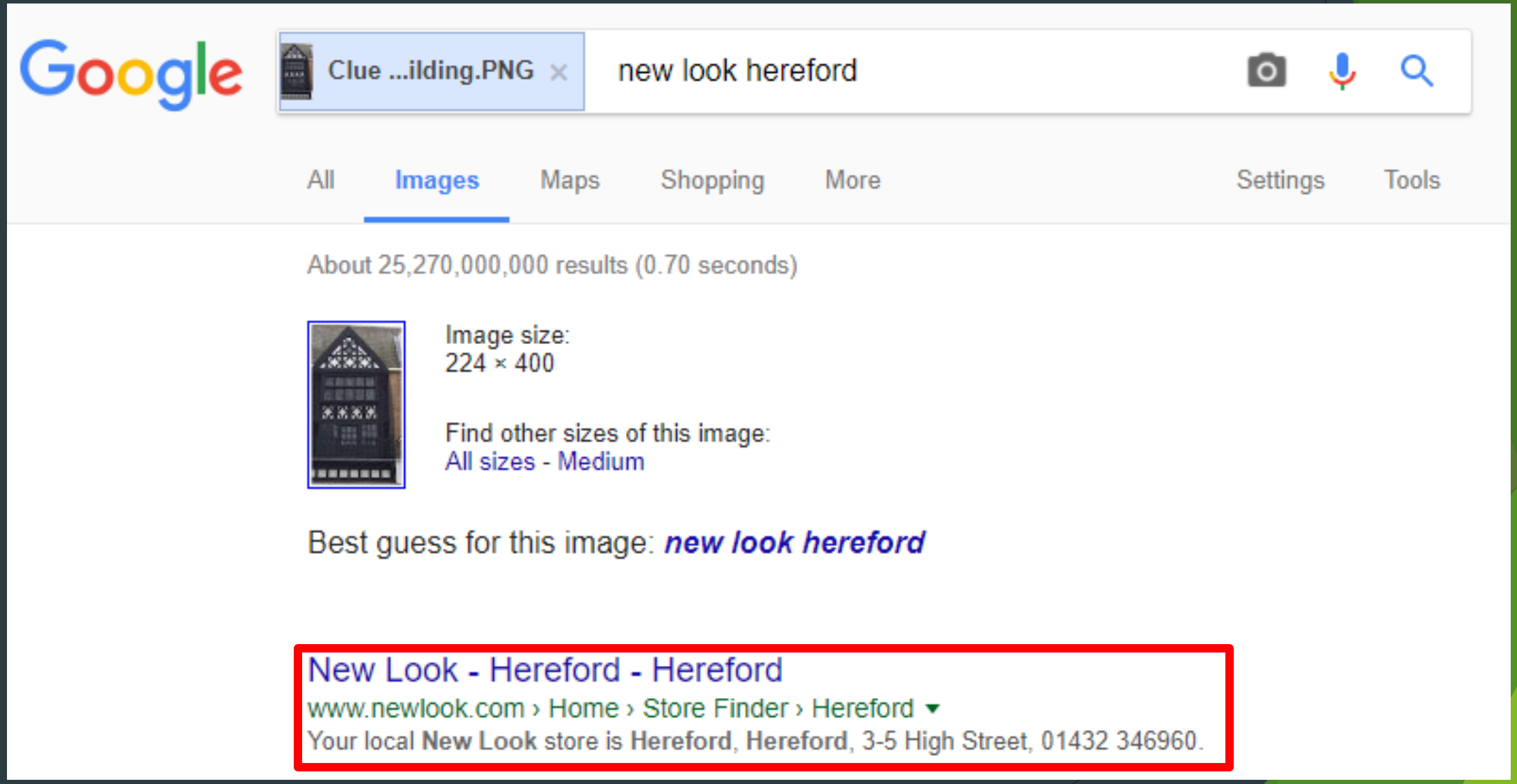
- 16+1+4+4+25+3+8+1+25+5+6+19+11+25 = 153
- 153 mod 33 = 21
- Final answer: 21

Clue 5

Clue 1: 74
Clue 2: 43
Clue 3: 61
Clue 4: 21
Clue 5: XX
Clue 6: XX

Clue 5

Clue 5


Google
Clue ...ilding.PNG
new look hereford
All
Images
Maps
Shopping
More
Settings
Tools
About 25,270,000,000 results (0.70 seconds)
Image size:
224 × 400
Find other sizes of this image:
All sizes - Medium
Best guess for this image: new look hereford
New Look - Hereford - Hereford
www.newlook.com › Home › Store Finder › Hereford
Your local New Look store is Hereford, Hereford, 3-5 High Street, 01432 346960.

Clue 5

In 1965, at a time when so much of the city was undergoing transformation (and not all good either!), the local council insisted that builders of a new Littlewoods store must incorporate the ancient, former apothecary shop into the facade. To do this, a civil engineer called John Pryke devised a method whereby the building was put onto a chassis of steel girders and hydraulics and moved along a track to a temporary location. There it remained, until building work on the new store reached the point where it could be returned. You can see film of this here: The House That Moved

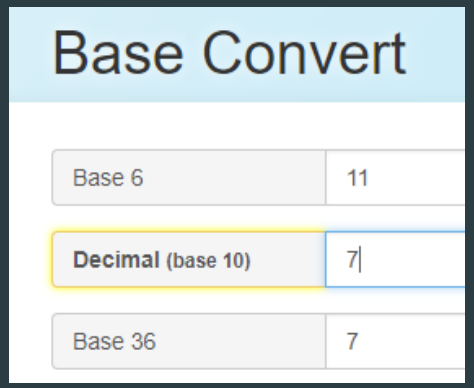
Clue 5

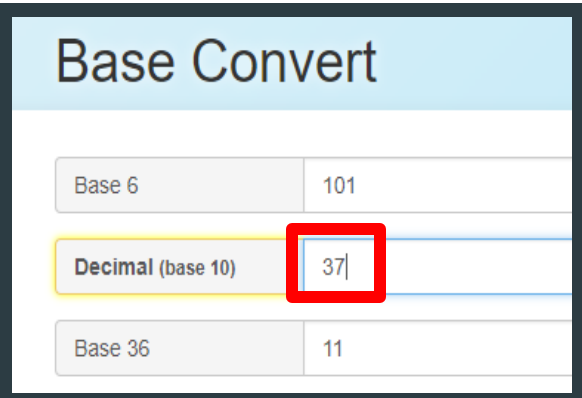
The year that this house did something odd divided by 15. Subtract the second number that is palindromic in both base 6 and base 36.

- *(Year/15) - X = answer*
- *965/15 = 131*
- *131 - X = Answer*

Clue 5

The year that this house did something odd divided by 15. Subtract the second number that is palindromic in both base 6 and base 36.





ND

Nathan J Dunnington (16632641)
Thu 02/11, 18:48

Is the number that is palindromic in both base 6 and base 36, = 37

Is the overall answer 94 for clue 5?

Kevin Jacques
Sat 04/11, 14:44
Nathan J Dunnington (16632641)

Nathan,

37 is indeed palindromic in both base 6 and 36 but I would argue that this is the first case where that happens, and not the second.

The overall answer for clue 5 is not 94 I am afraid.

Kevin

Clue 5

Kevin Jacques
Mon 06/11, 14:47
Nathan J Dunnington (16632641)

Reply all

Nathan,

Yes, and Yes. ☺

Kevin

ND

Nathan J Dunnington (16632641)
Mon 06/11, 11:06

Hi, Kevin

For clue 5 is the second palindromic number in base 6 and 36, 74?

Is the overall answer for clue 5 = 57?

Thanks, Nathan

Base Convert

Base 6	202
Decimal (base 10)	74
Base 36	22
	Enter a new base

Clue 6

Clue 1: 74
Clue 2: 43
Clue 3: 61
Clue 4: 21
Clue 5: 57
Clue 6: XX

Clue 6

Question 6

Clue 6 If you followed this table correctly, where might you be LED? Divide by the last number in the antipodean disaster sequence that started ".4lbW24W.W.".

A	B	C	D	E	F	G
0	1	1	0	0	0	0
1	0	1	1	1	1	1
1	1	1	1	1	1	1

- ***Our lack of knowledge on cricket terminology***
  - Cricket Scoring
  - LBW
  - LB

Clue 6

Question 6

Clue 6 If you followed this table correctly, where might you be LED? Divide by the last number in the antipodean disaster sequence that started ".4lbW24W.W.".

Clue 6

- If you followed this table correctly, where might you be LED?

A	B	C	D	E	F	G
0	1	1	0	0	0	0
1	0	1	1	1	1	1
1	1	1	1	1	1	1

- LED is defined as

LED

noun [C] · UK /ˌel.iːˈdiː/ US /ˌel.iːˈdiː/

SPECIALIZED

ABBREVIATION FOR light-emitting diode: a device that produces a light, especially on electronic equipment

Clue 6

- *Following the truth table, using the key to march A - G in order to find the numbers*

A	B	C	D	E	F	G
0	1	1	0	0	0	0
1	0	1	1	1	1	1
1	1	1	1	1	1	1

Binary Inputs				Decoder Outputs							7-Segment Display Outputs
D	C	B	A	a	b	c	d	e	f	g	
0	0	0	0	1	1	1	1	1	1	0	0
0	0	0	1	0	1	1	0	0	0	0	1
0	0	1	0	1	1	0	1	1	0	1	2
0	0	1	1	1	1	1	1	0	0	1	3
0	1	0	0	0	1	1	0	0	1	1	4
0	1	0	1	1	0	1	1	0	1	1	5
0	1	1	0	1	0	1	1	1	1	1	6
0	1	1	1	1	1	1	0	0	0	0	7
1	0	0	0	1	1	1	1	1	1	1	8
1	0	0	1	1	1	1	1	0	1	1	9

Line 1 = 1
Line 2 = 6
Line 3 = 8

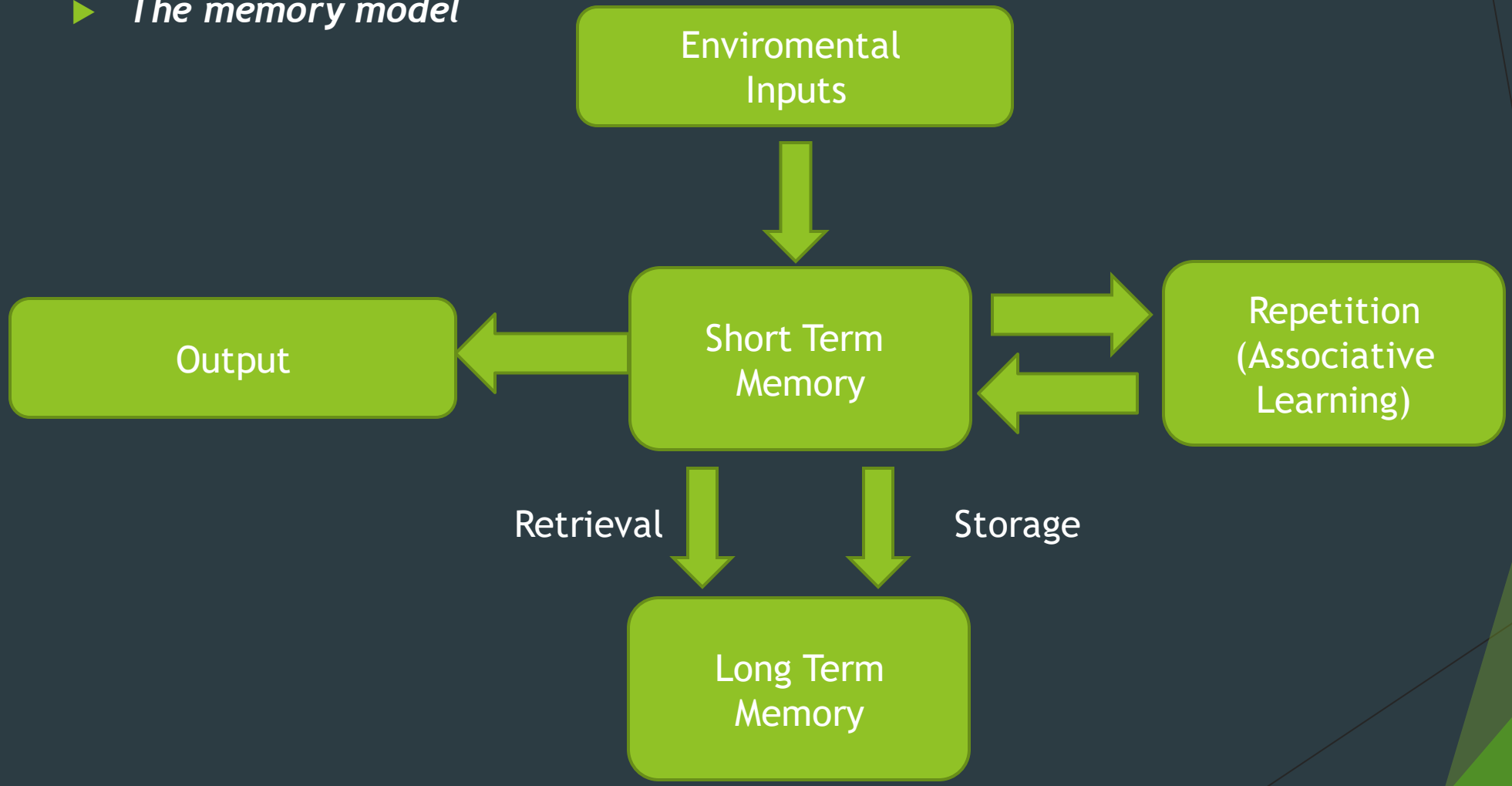
Clue 6

- Tweet from Bet365 with the Antipodean Disaster Sequence

“.4lbW24W.W.”.

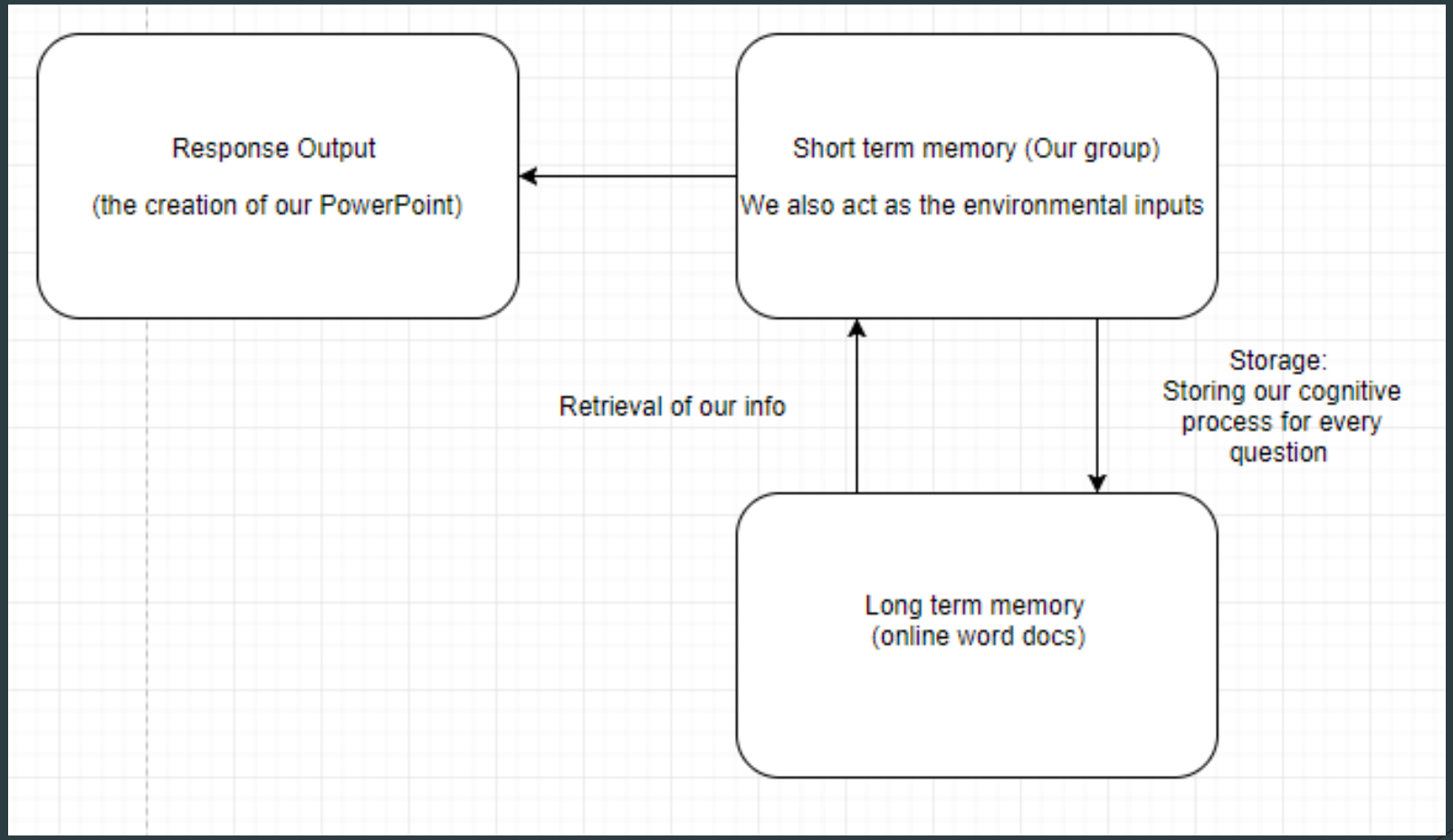
Clue 6

- ***The memory model***



Clue 6

- ***Our Memory Model***



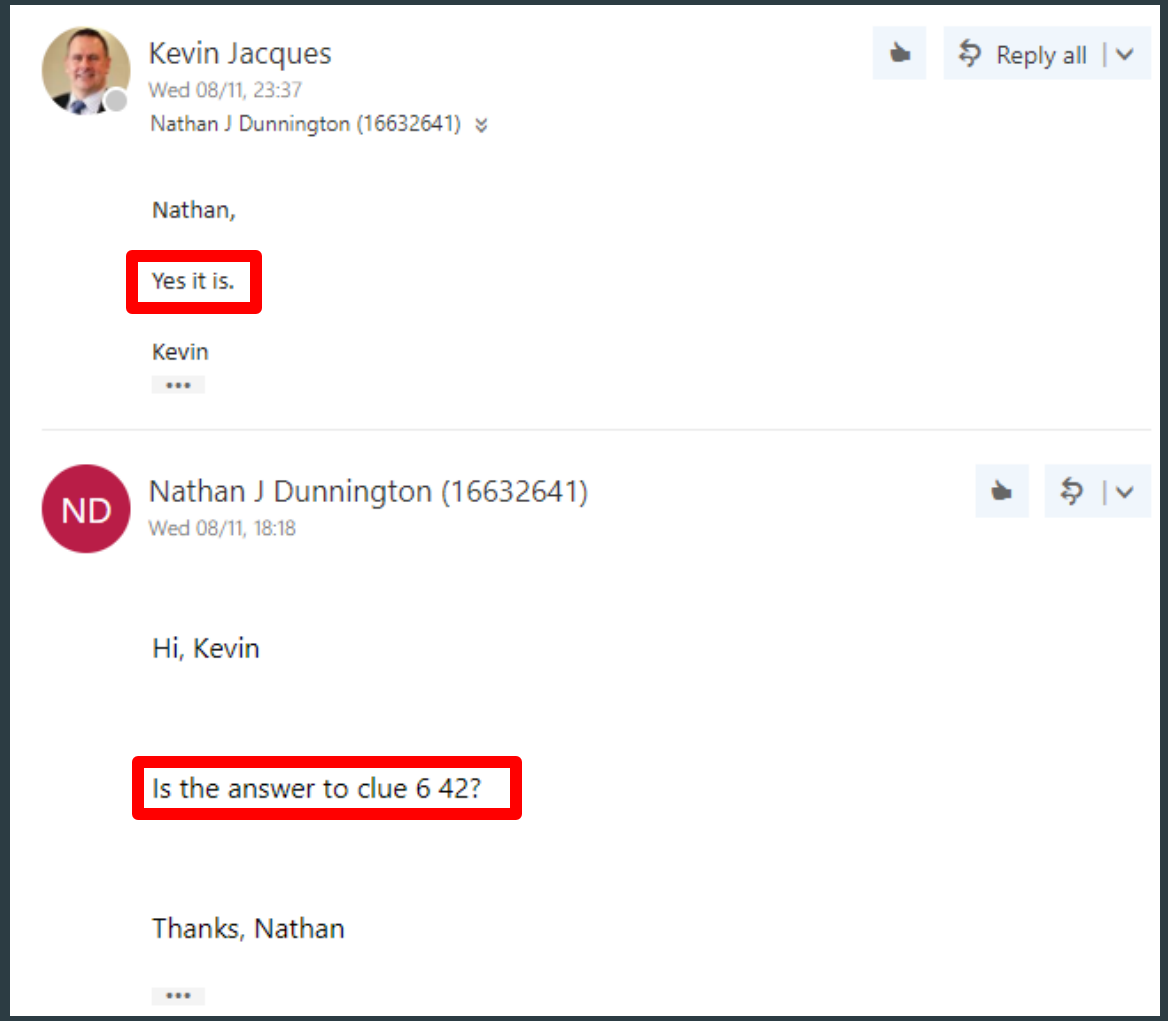
Clue 6

- The cricket score was not complete. The tweets below show the full score

“.4lbW24W.W.”.

Clue 6

- Answer validated by Kevin



Kevin Jacques
Wed 08/11, 23:37
Nathan J Dunnington (16632641)

Reply all

Nathan,

Yes it is.

Kevin

ND

Nathan J Dunnington (16632641)
Wed 08/11, 18:18

Hi, Kevin

Is the answer to clue 6 42?

Thanks, Nathan

Task 1

Clue 1: 74
Clue 2: 43
Clue 3: 61
Clue 4: 21
Clue 5: 57
Clue 6: 42

Task 2

If the function

f(a,b)

is defined by the following text: "from a series of values, take the value at position *a* and the value at position *b* and swap them leaving all other values unchanged" then perform the following:

f(4,6)
f(9,8)
f(7,9)

in that order, on the concatenation of clues 1 to 6.

The result is your hidden code.

Passing Whole number as F(a) and the following answer from the next question a F(b)

1. **74**
2. **99**
3. **61**
4. **11**
5. **57**
6. **42**

F(74, 99) = 9974

F(61, 11) = 1161

F(57, 42) = 4257

Swapping each value (so F(a) = 7 and F(b) = 4)

1. **74 --> 47**
2. **99 --> 99**
3. **61 -- > 16**
4. **11 --> 11**
5. **57 -- > 75**
6. **42 --> 24**

Task 2

74, 43, 61, 21, 57, 42

Take the value at position index X (a) and swap with index (b)

So first function is swap position [4] with [6]

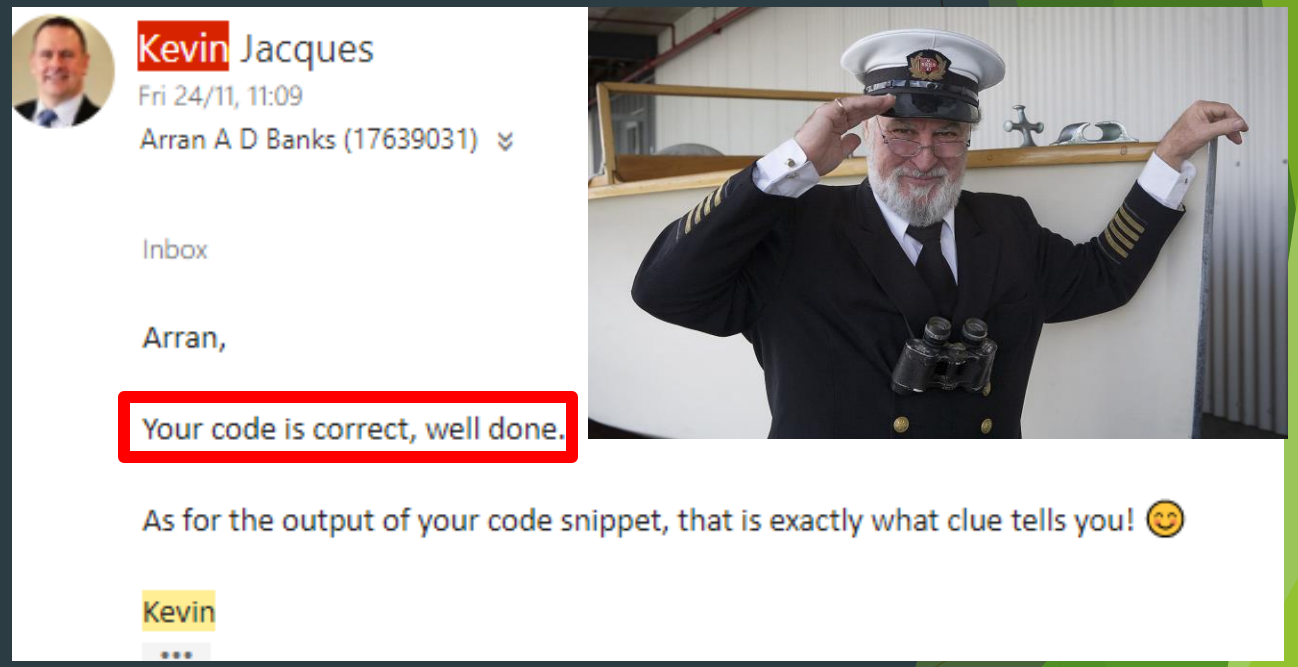
74, 41, 63, 21, 57, 42

Second is [9] with [8]

74, 41, 63, 25, 17, 42

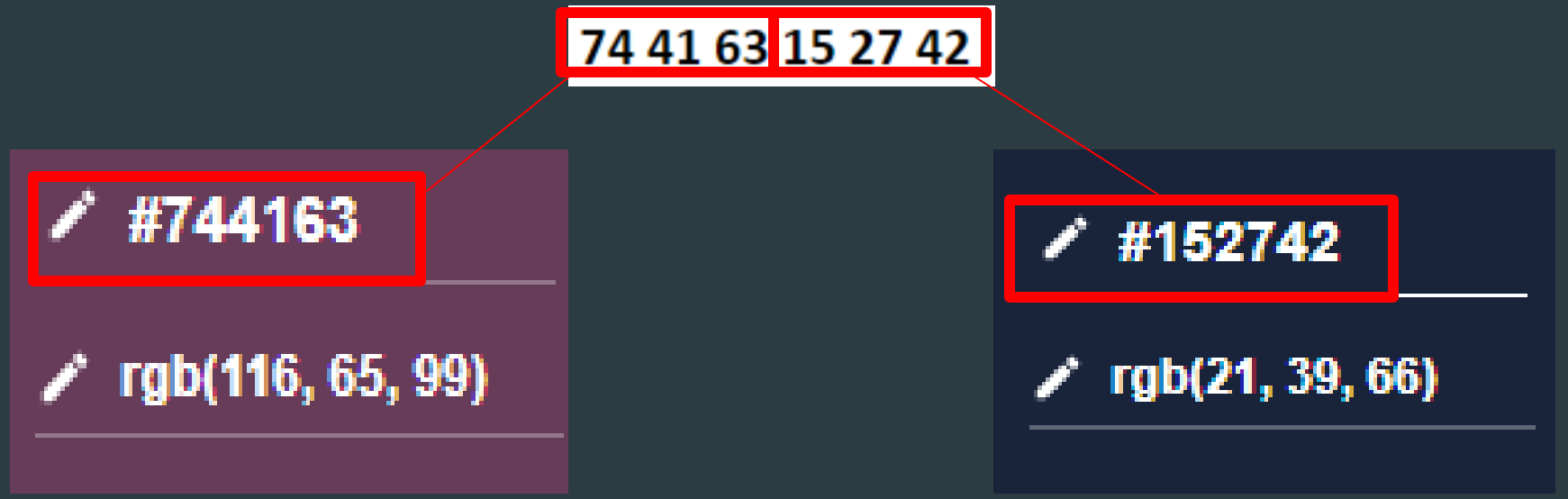
Last function is [7] with [9]

74 41 63 15 27 42

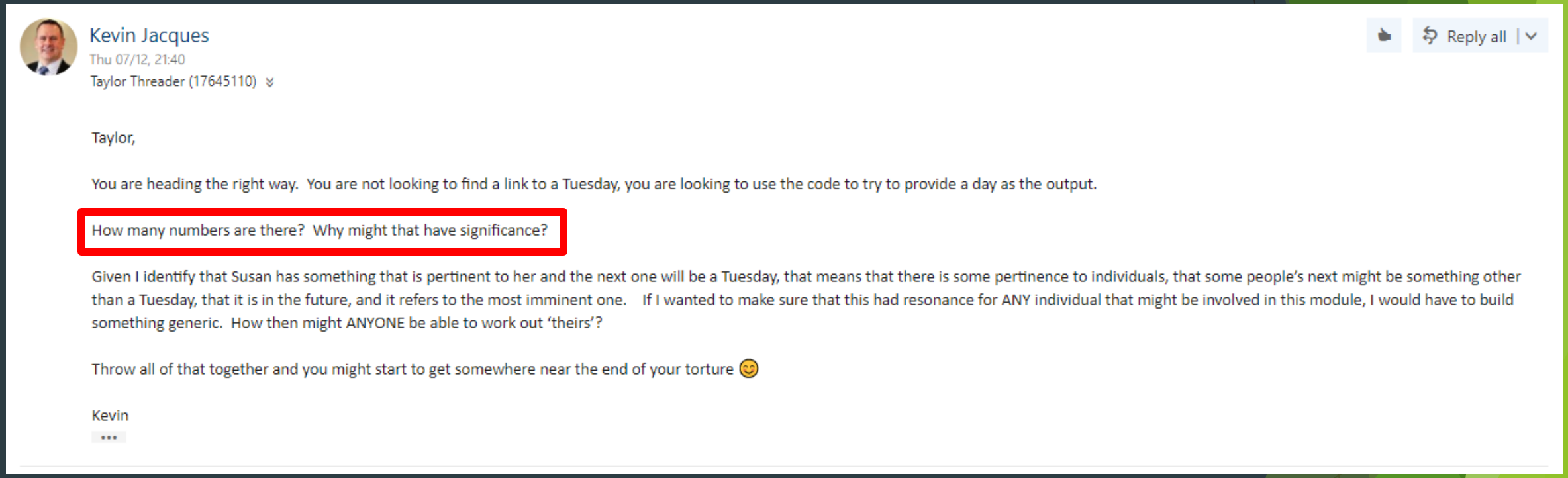


Task 2

- Hex code colours



Task 2



Kevin Jacques
Thu 07/12, 21:40
Taylor Threader (17645110)

Reply all

Taylor,

You are heading the right way. You are not looking to find a link to a Tuesday, you are looking to use the code to try to provide a day as the output.

How many numbers are there? Why might that have significance?

Given I identify that Susan has something that is pertinent to her and the next one will be a Tuesday, that means that there is some pertinence to individuals, that some people's next might be something other than a Tuesday, that it is in the future, and it refers to the most imminent one. If I wanted to make sure that this had resonance for ANY individual that might be involved in this module, I would have to build something generic. How then might ANYONE be able to work out 'theirs'?

Throw all of that together and you might start to get somewhere near the end of your torture 😊

Kevin

74 41 63 15 27 42 Length : 12 digits

Task 2

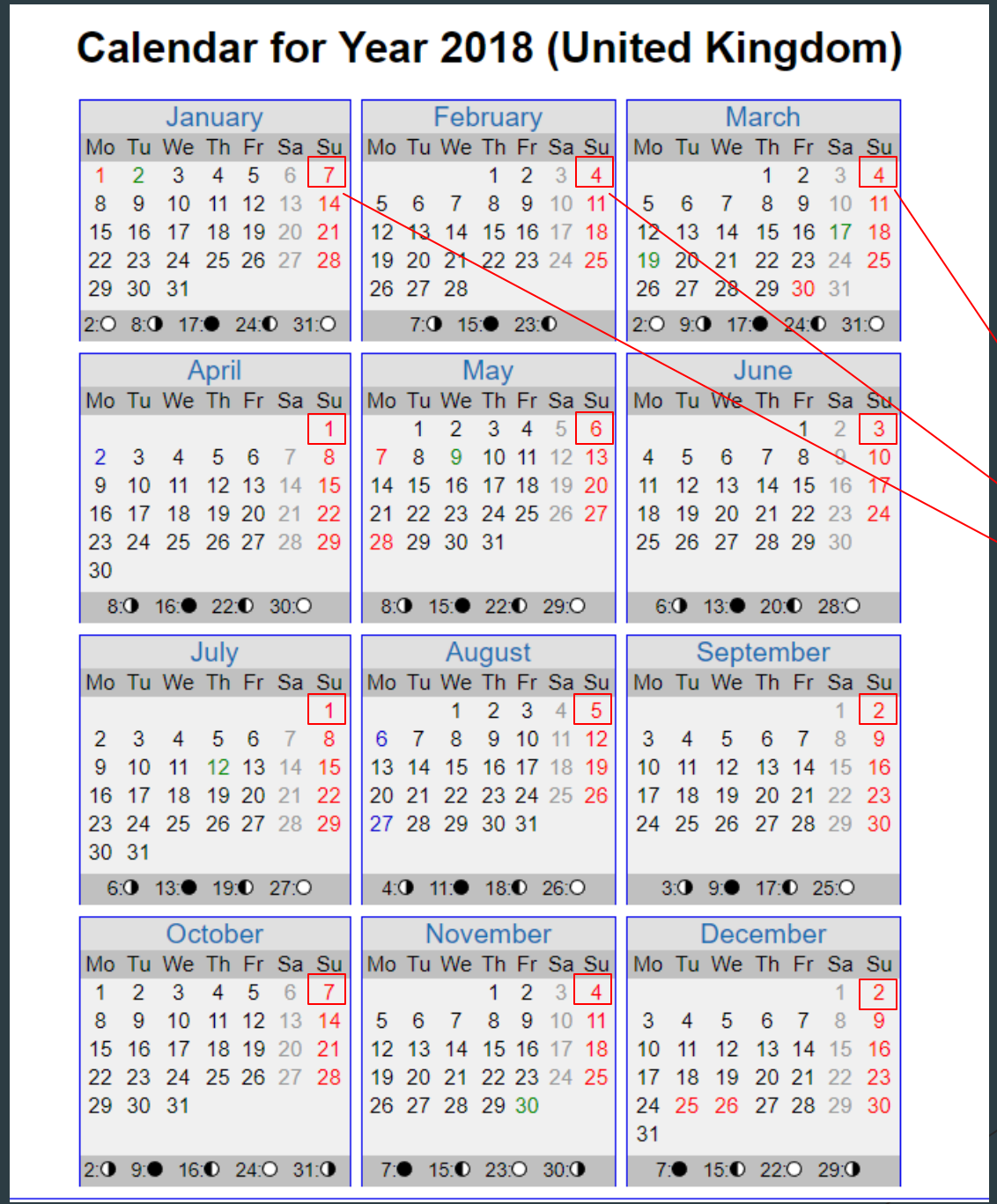
- Each number in sequence represented a month:
  Sequence [I] = month

Jan	Feb	Mar	Apr	May
1	2	3	4	5
Jun	**Jul**	**Aug**	**Sept**	**Oct**
6	7	8	9	10
Nov	**Dec**			
11	12			

- Each value in sequence was a day designated to that month
  Sequence [Value] = month [I] day [value]

Mon	Tue	Wed	Thu	Fri	Sat	Sun
1	2	3	4	5	6	7

Task 2



Calendar for Year 2018 (United Kingdom)

January

Mo	Tu	We	Th	Fr	Sa	Su
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

2:○ 8:◑ 17:● 24:◐ 31:○

February

Mo	Tu	We	Th	Fr	Sa	Su
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28				

7:◑ 15:● 23:◐

March

Mo	Tu	We	Th	Fr	Sa	Su
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

2:○ 9:◑ 17:● 24:◐ 31:○

April

Mo	Tu	We	Th	Fr	Sa	Su
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

8:◑ 16:● 22:◐ 30:○

May

Mo	Tu	We	Th	Fr	Sa	Su
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

8:◑ 15:● 22:◐ 29:○

June

Mo	Tu	We	Th	Fr	Sa	Su
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

6:◑ 13:● 20:◐ 28:○

July

Mo	Tu	We	Th	Fr	Sa	Su
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

6:◑ 13:● 19:◐ 27:○

August

Mo	Tu	We	Th	Fr	Sa	Su
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

4:◑ 11:● 18:◐ 26:○

September

Mo	Tu	We	Th	Fr	Sa	Su
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

3:◑ 9:● 17:◐ 25:○

October

Mo	Tu	We	Th	Fr	Sa	Su
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

2:◑ 9:● 16:◐ 24:○ 31:◑

November

Mo	Tu	We	Th	Fr	Sa	Su
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

7:● 15:◐ 23:○ 30:◑

December

Mo	Tu	We	Th	Fr	Sa	Su
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

7:● 15:◐ 22:○ 29:◑

74 41 63 15 27 42

Continues for following months

Task 3

```
static void Main()
{
    int[] HiddenCode = new int[12] { 7, 4, 4, 1, 6, 3, 1, 5, 2, 7, 4, 2 };
    string[] sDays = new string[7] { "Monday", "Tuesday", "Wednesday", "Thursday", "Friday", "Saturday", "Sunday" };
    int RemainderDay = 0;
    Console.WriteLine("Enter your month");
    int InputMonth = Int32.Parse(Console.ReadLine());
    Console.WriteLine("Enter your day");
    int InputDay = Int32.Parse(Console.ReadLine());
    InputMonth--;

    for (int i = 0; i < 12; i++)
    {

        if (InputMonth == i)
        {
            if (InputDay < HiddenCode[(i)])
            {
                int DayDiff = (InputDay + HiddenCode[i]);
                RemainderDay = DayDiff % 7;
                Console.WriteLine("Days diffrent:" + DayDiff);
            }
            else if (InputDay > HiddenCode[(i)])
            {
                int DayDiff = (InputDay - HiddenCode[i]);
                RemainderDay = DayDiff % 7;
                Console.WriteLine("Days diffrent:" + DayDiff);

            }
            for (int d = 1; d < 8;)
            {

                if (d == (RemainderDay))
                {
                    Console.WriteLine(RemainderDay);

                    Console.WriteLine("The day of your date is: " + sDays[d - 1]);
                }

                d++;

            }
```

Finds the difference between the two variables

Finds what day of the week it is by finding the remainder (DayDiffrence MOD 7)

Repeats process but for dates less than hidden Code value

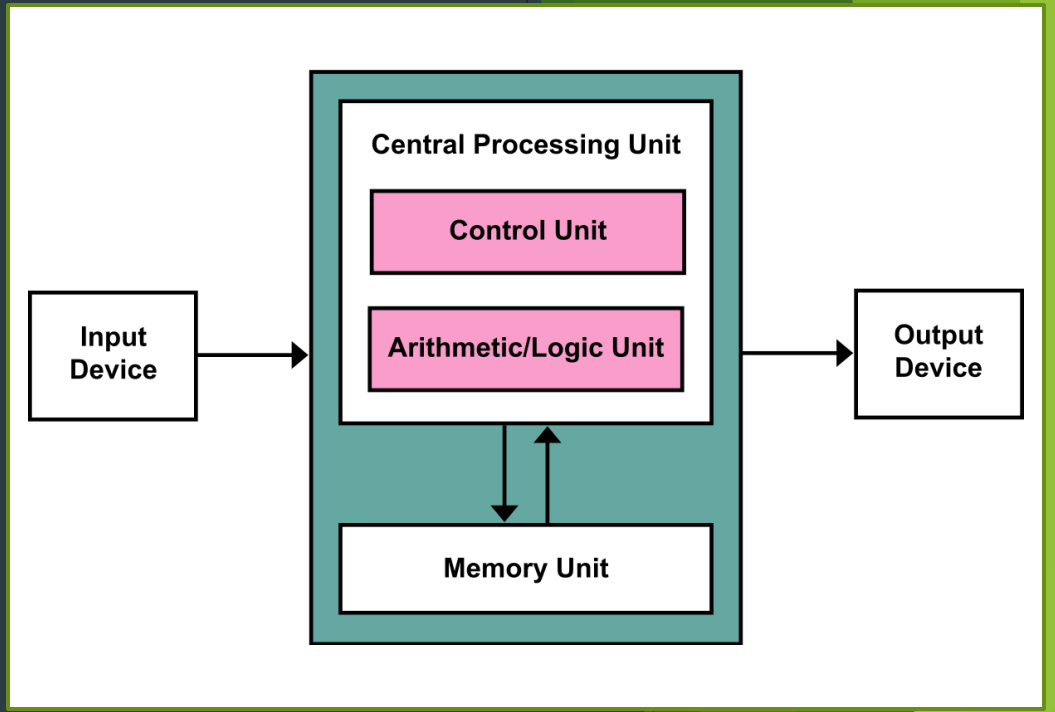
Finds the day from array and writes it to the console

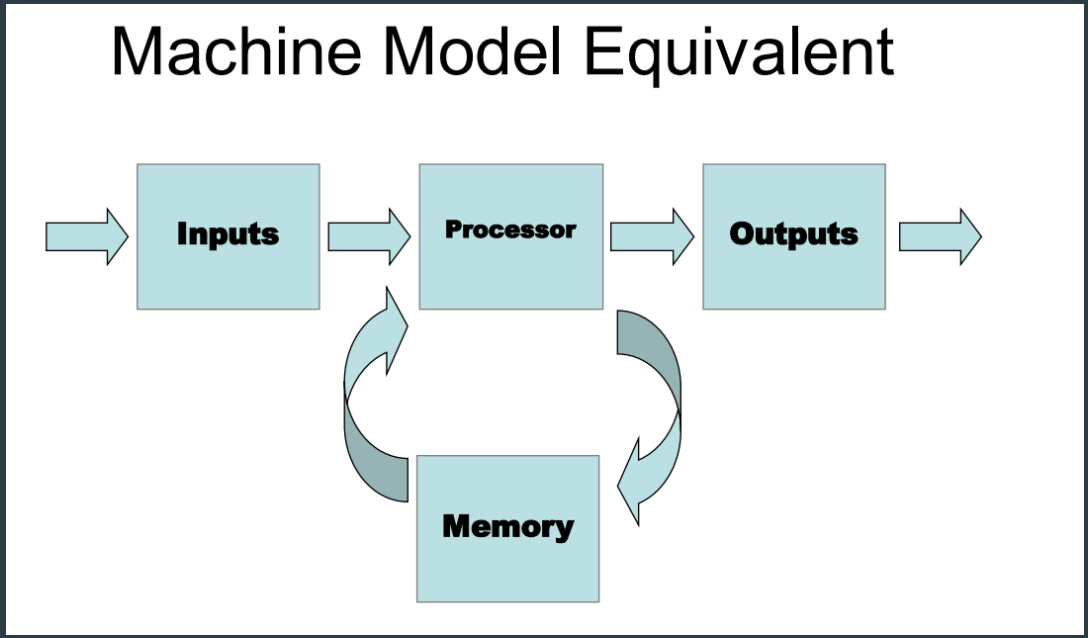
Result

```
file:///c:/users/user/documents/visual studio 2015/Projects
Enter your month
10
Enter your day
17
Days difference: 10
Remainder days: 3
The day of your date is: Wednesday
```

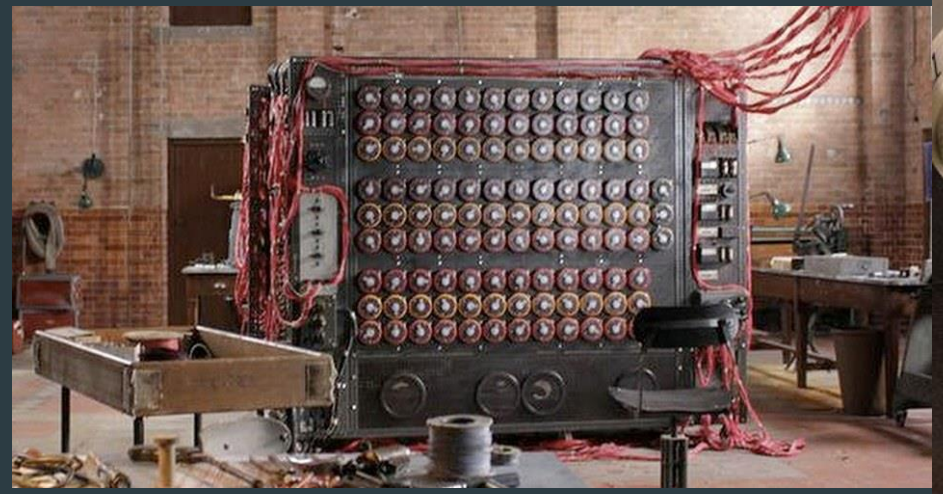
Task 3

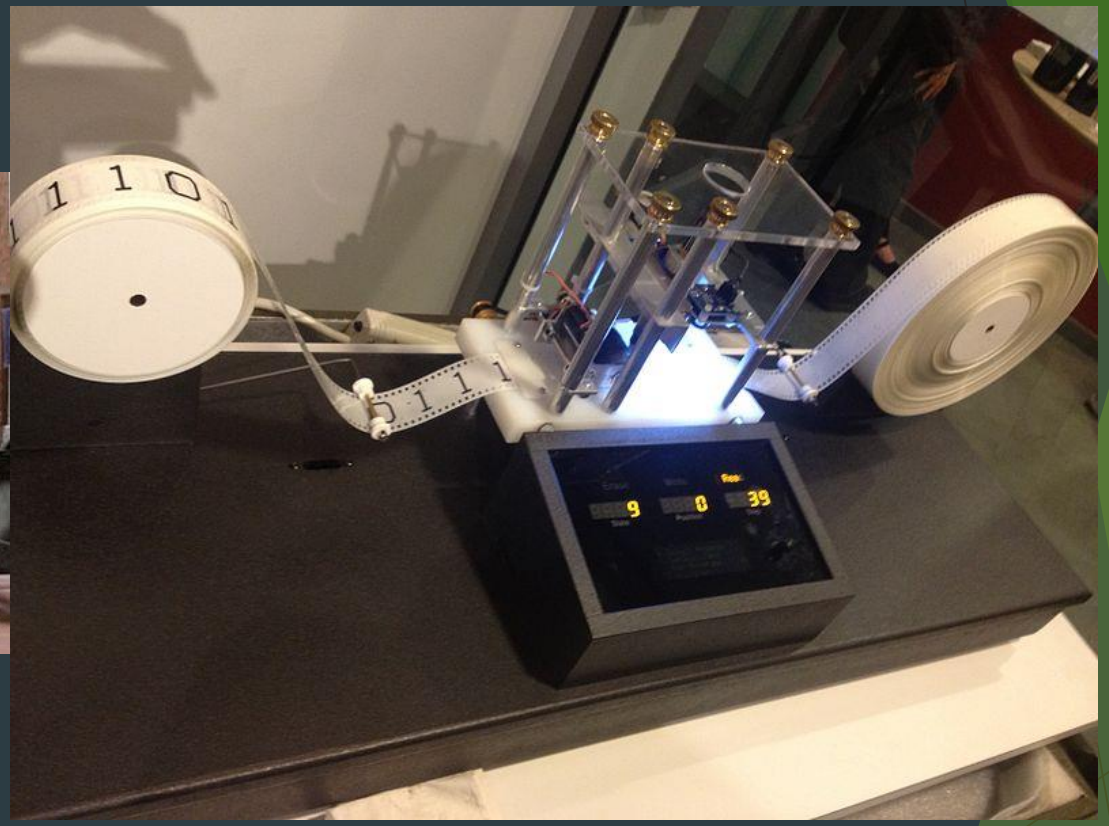
- *Input: The input data to console*
- *Process: Executing the code* (Completing algorithm)
- *Memory: storing data (arrays and variables)*
- *Output: writing the process to console.*





The turning machine





Conclusion


YAMAHA
40


"GOLDEN SHRED"
Robertson's
"GOLDEN SHRED"
Robertson's