Digital Humanities Lecture 6 March 24 2025 **Mario Verdicchio**



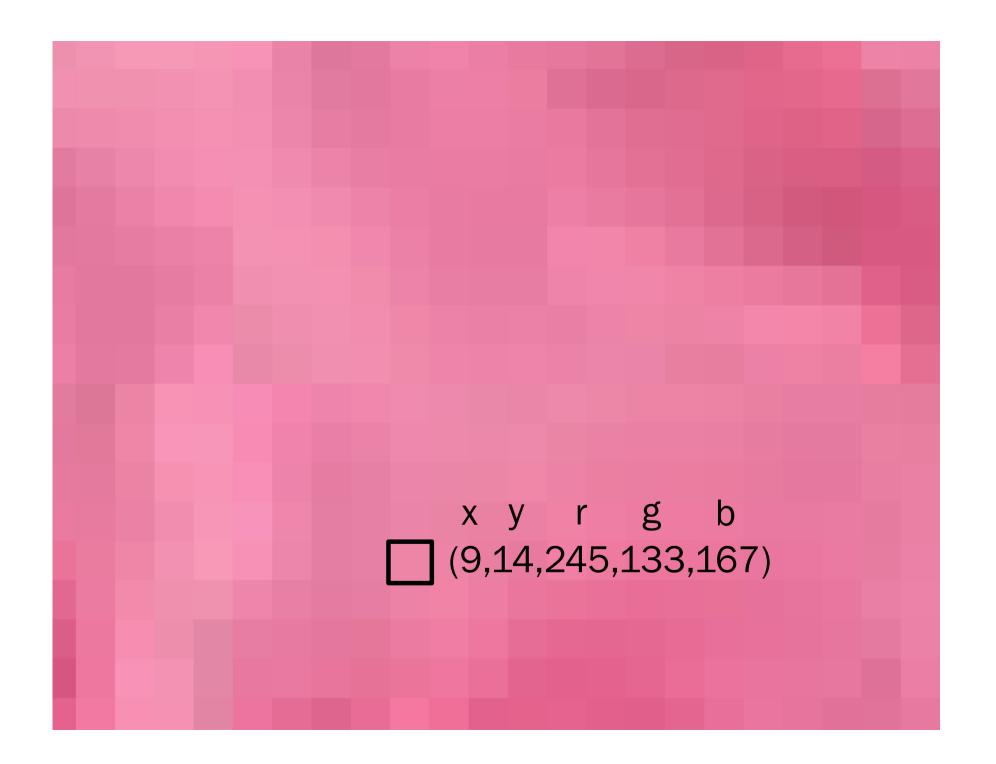
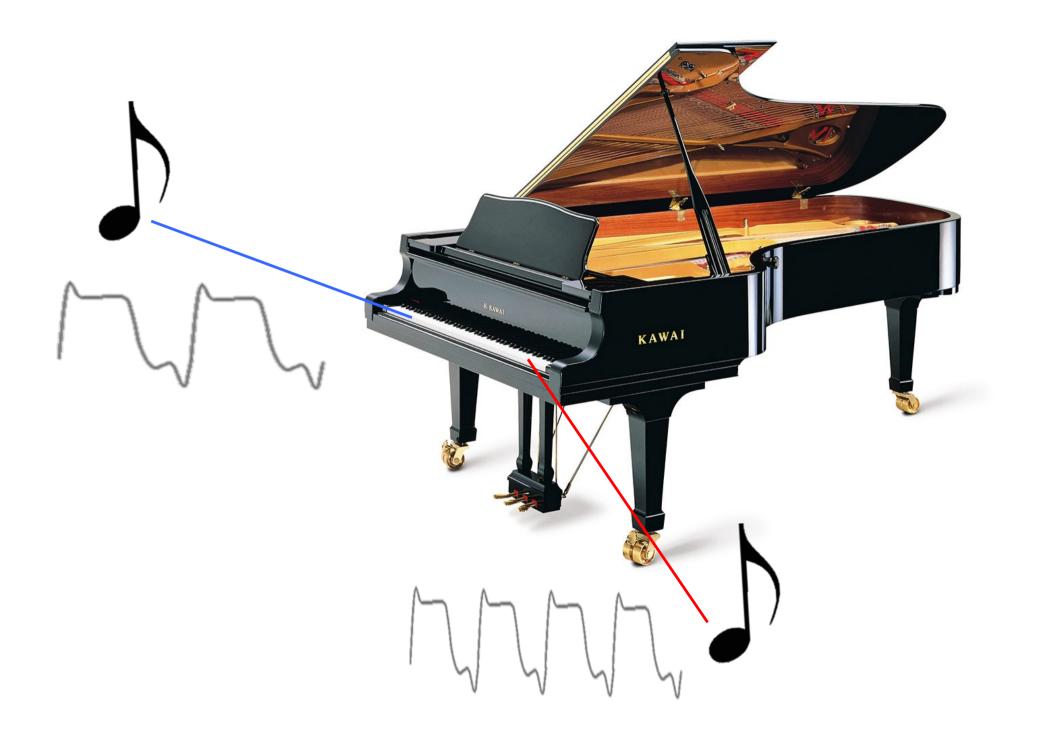


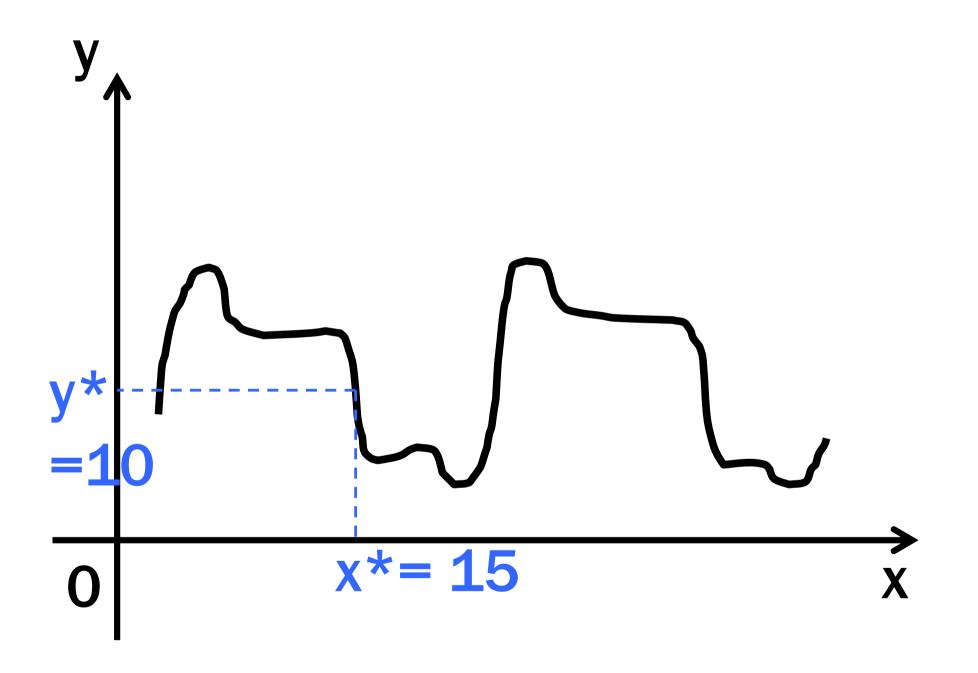
Chart. Scanner **US-ASCII** Code from copied the material delivered with TermiNet 300 impact type printer with Keyboard, February 1972, Data General Electric communication Product Dept., Waynesboro, Virginia.

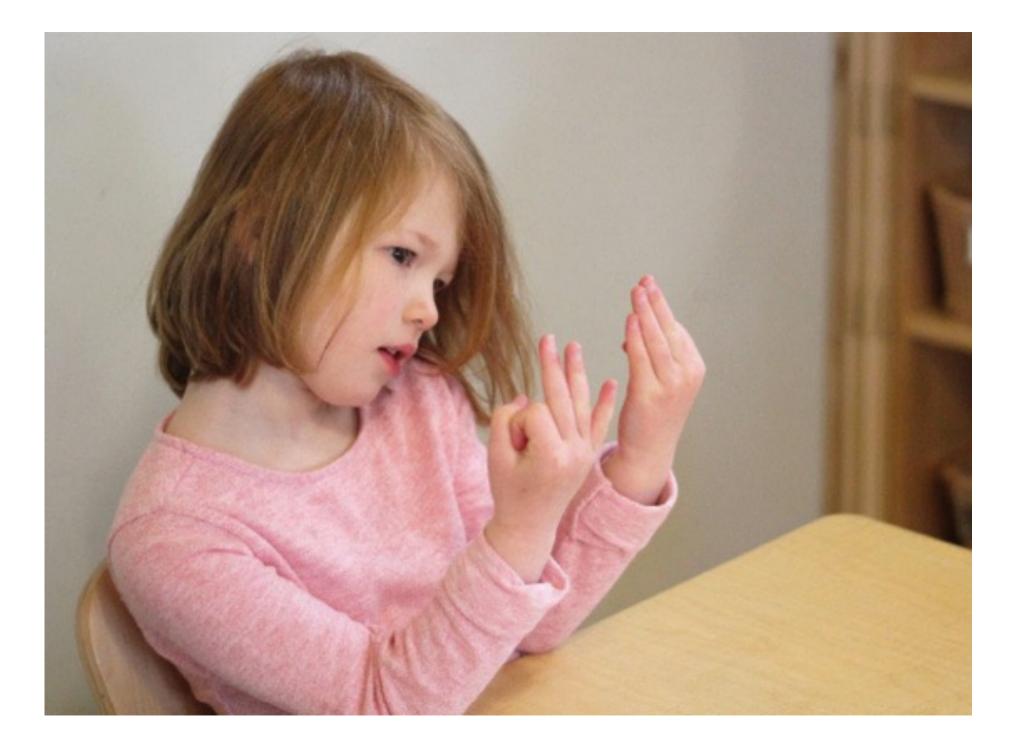
USASCII code chart

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0	1	1	1	7	BEL	ETB		7	G	w	9	w
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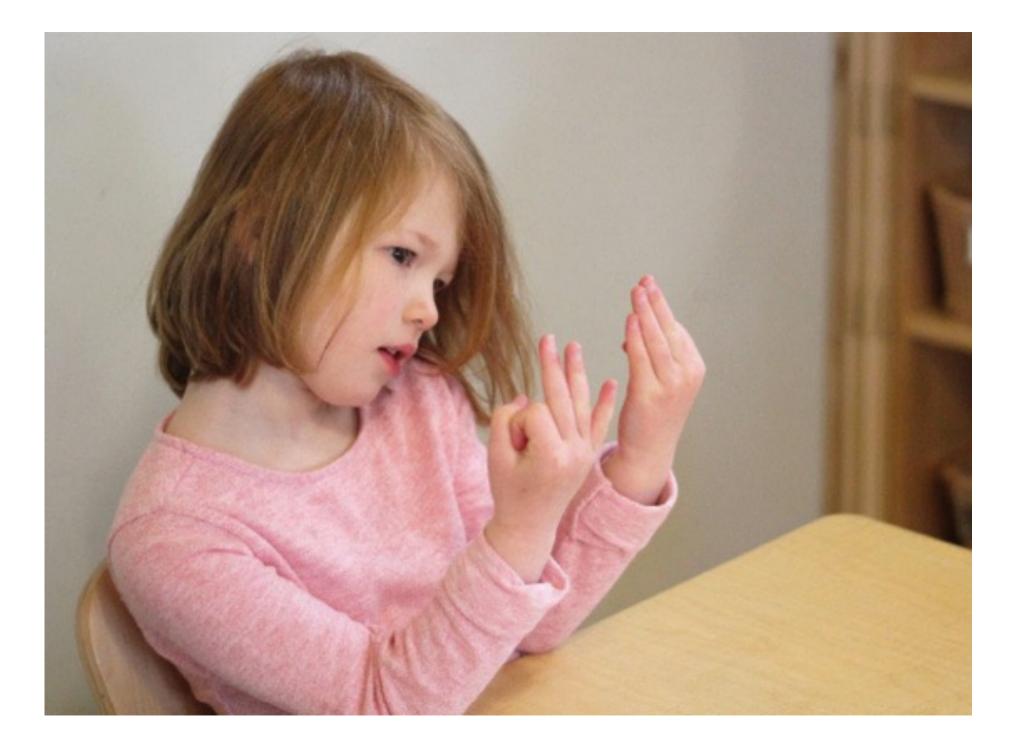








2345678901234 3456789012345 4567 5 01 T456 56789 ALL34567 34567 JUST 2345 4567 NUMBER56 **567890?234567** 27001172156700



3+2



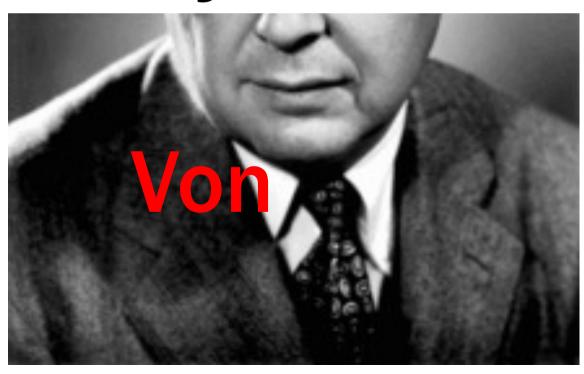
$\mathbf{N} = \mathbf{N} =$

John Von Neumann 1903-1957





János Lajos Neumann





Nuclear bomb test (Bikini Atoll, Micronesia, 1946)



Honeymoon in Kyoto

Kyoto is an incredibly romantic city. With intimate restaurants, atmospheric lanes, superb accommodations and a thousand quiet gardens and temples, it's the perfect place to spend time with someone you love. Here's our full guide to honeymooning in Kyoto.





Henry L. Stimson United States Secretary of War (1940–1945)



John M Maulchy

Alan Turing

John P Eckert

THE 45(**STORED** :45 15EPROGRAM 56

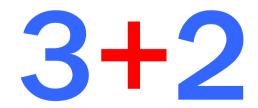
THE STORED PROGRAM

Both operations and operands can be stored in the same place.

THE STORED PROGRAM

Both operations and operands can be stored in the same place.

operations operands



operations operands

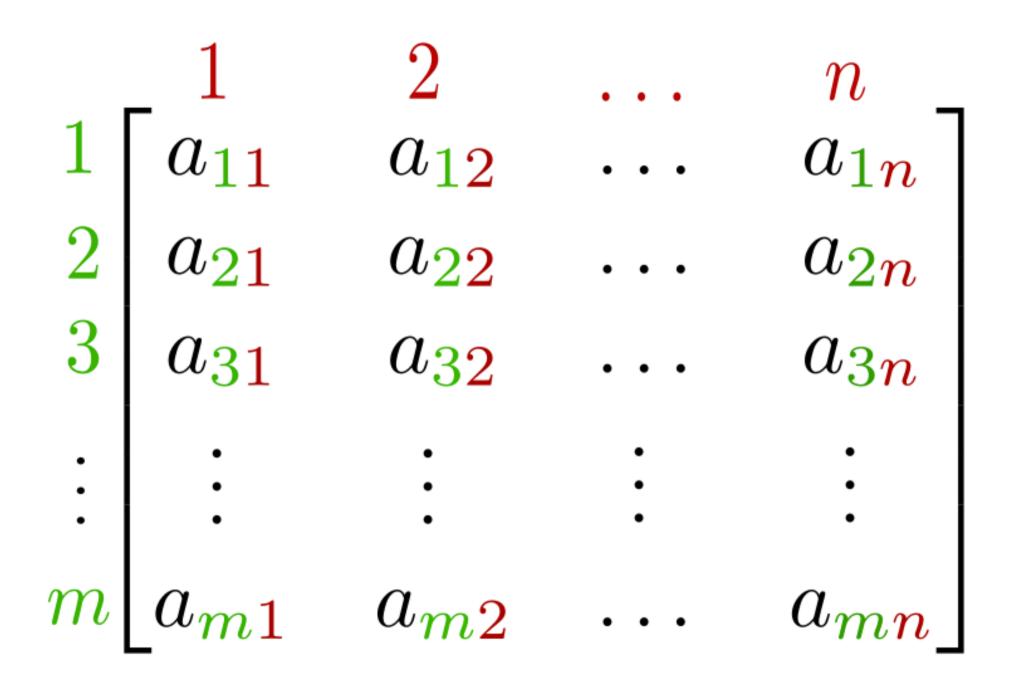


operations operands

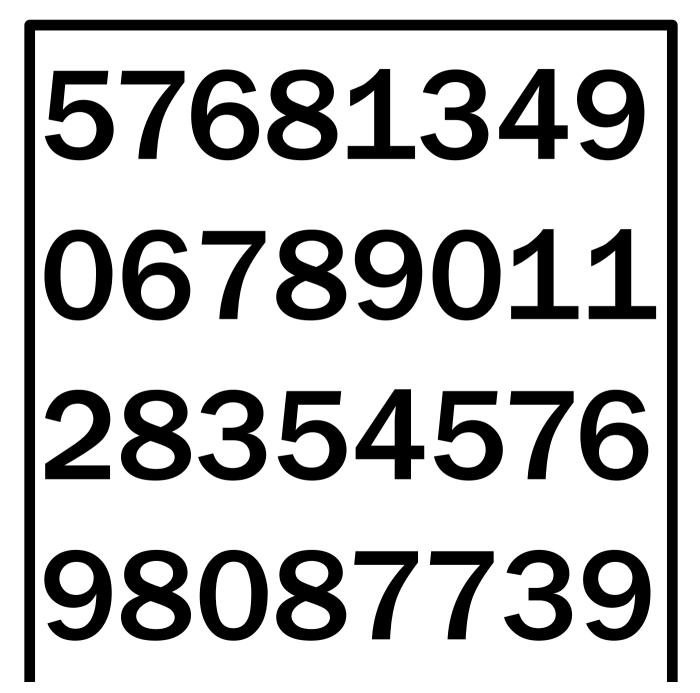
place 352

$\mathbf{N} = \mathbf{N} =$





$\mathbf{N} = \mathbf{N} =$



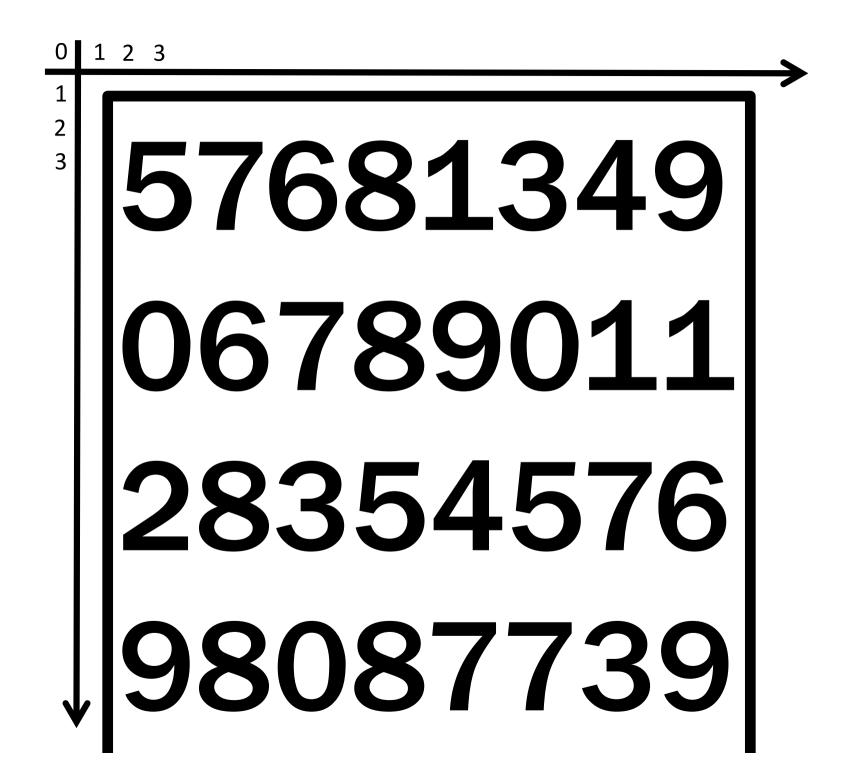
1

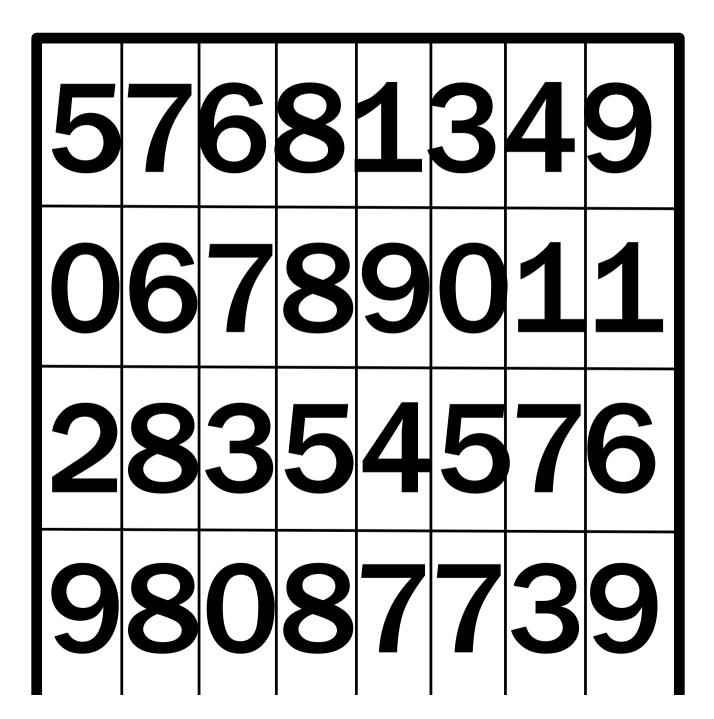
2

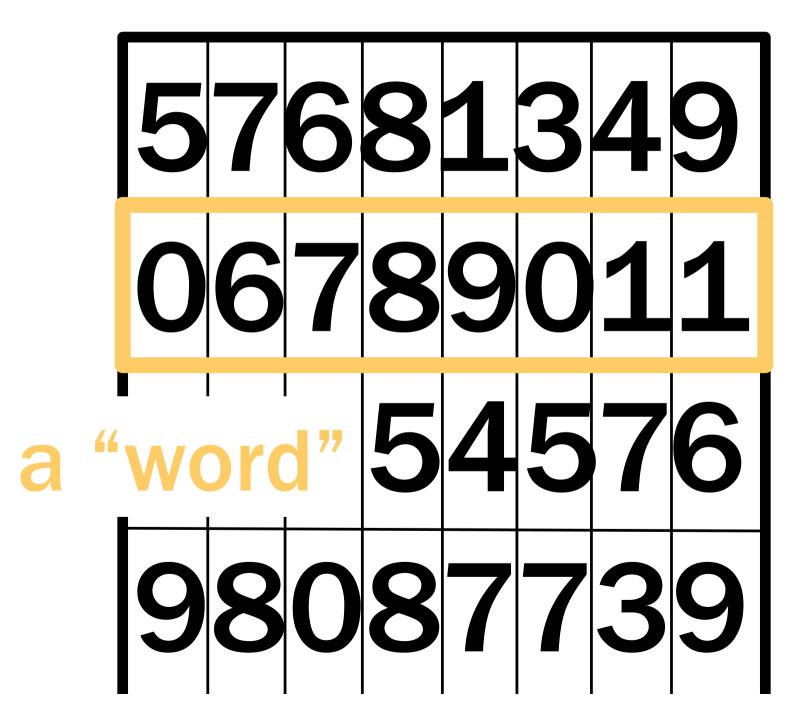
3

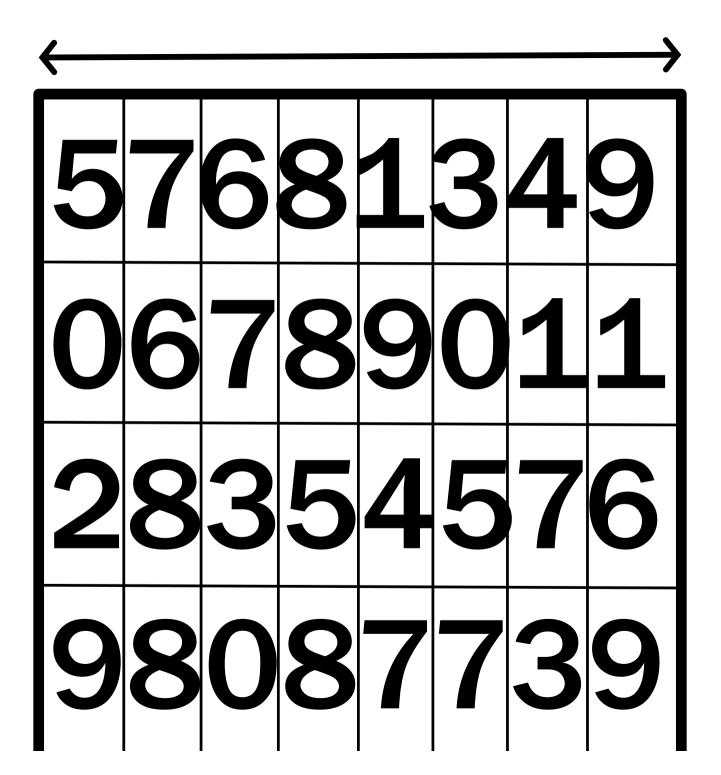
The image can be put in a system of coordinates, so that each pixel's position is determined by a pair of numbers (x,y)

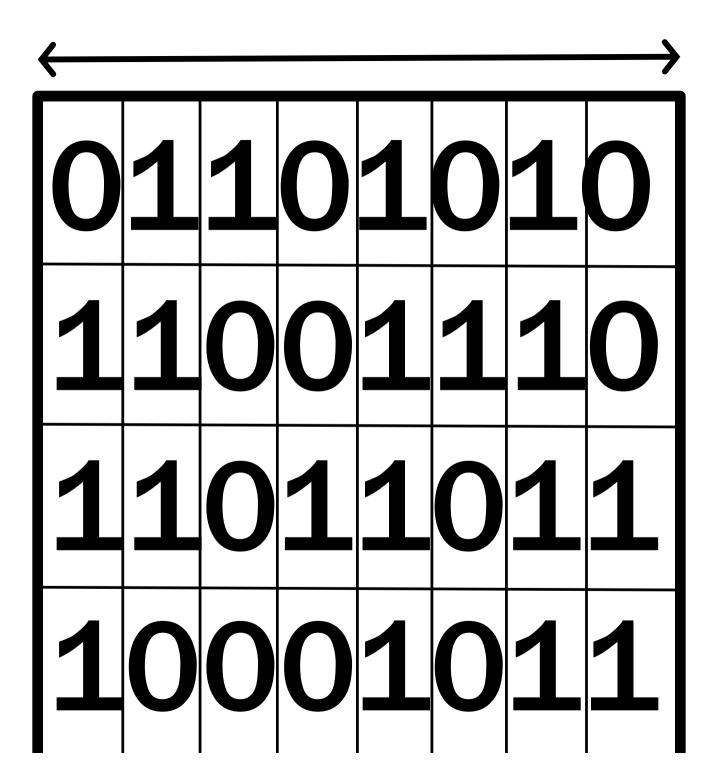
(9,14)

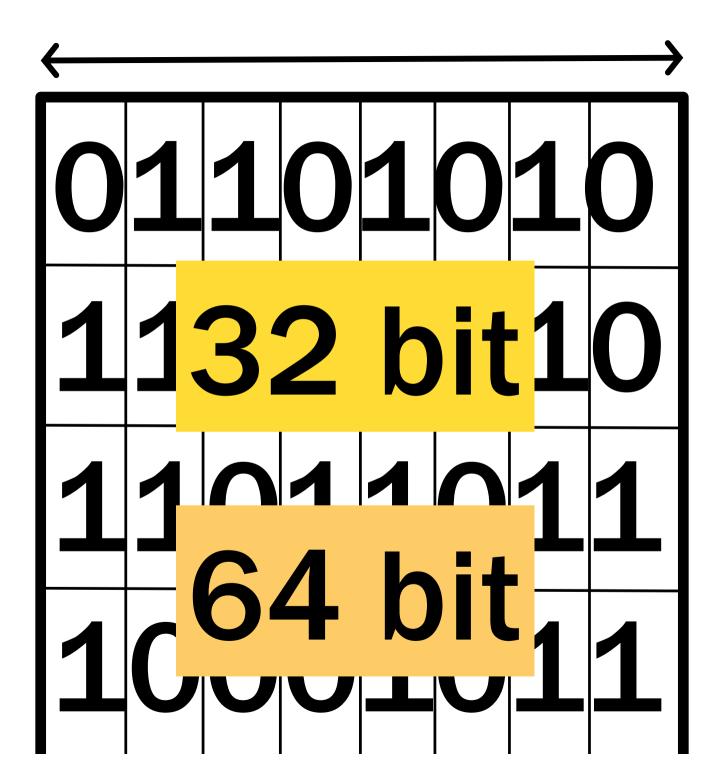


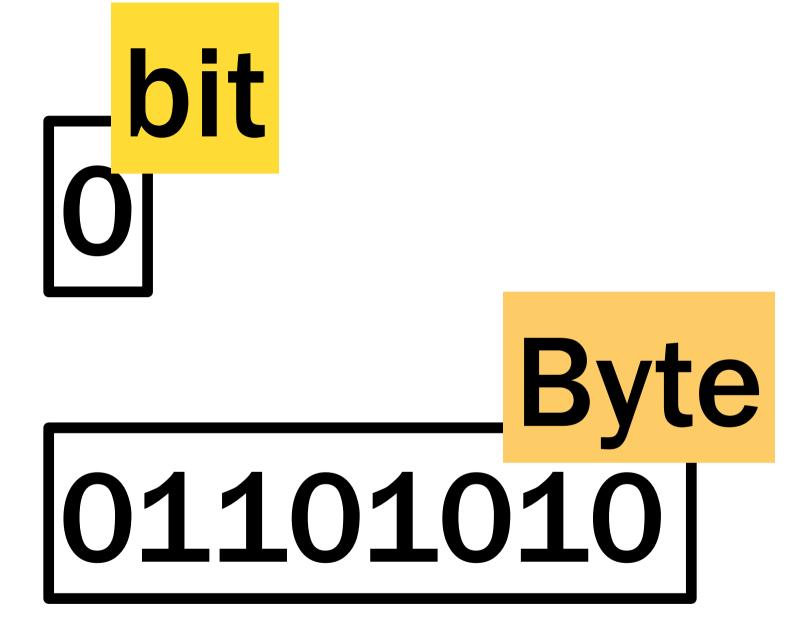






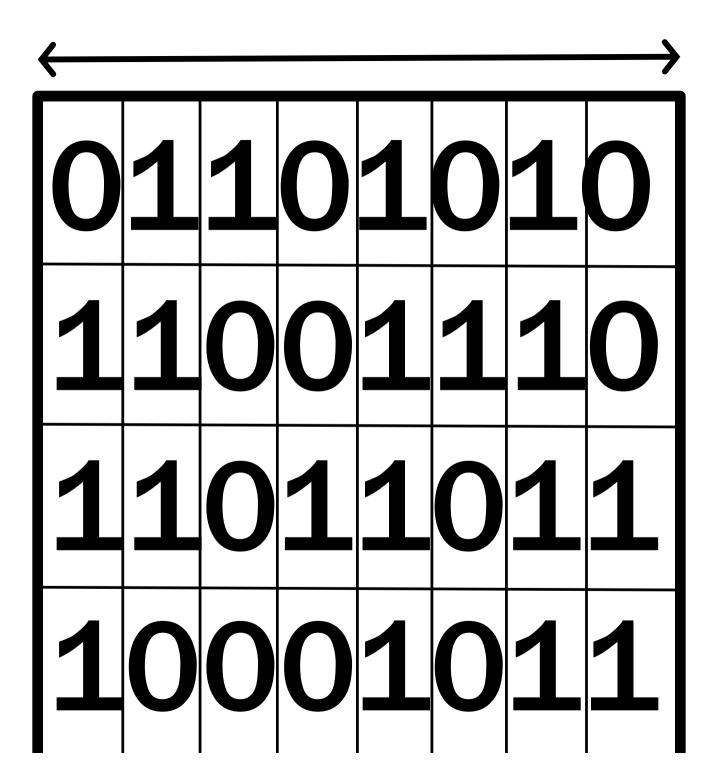






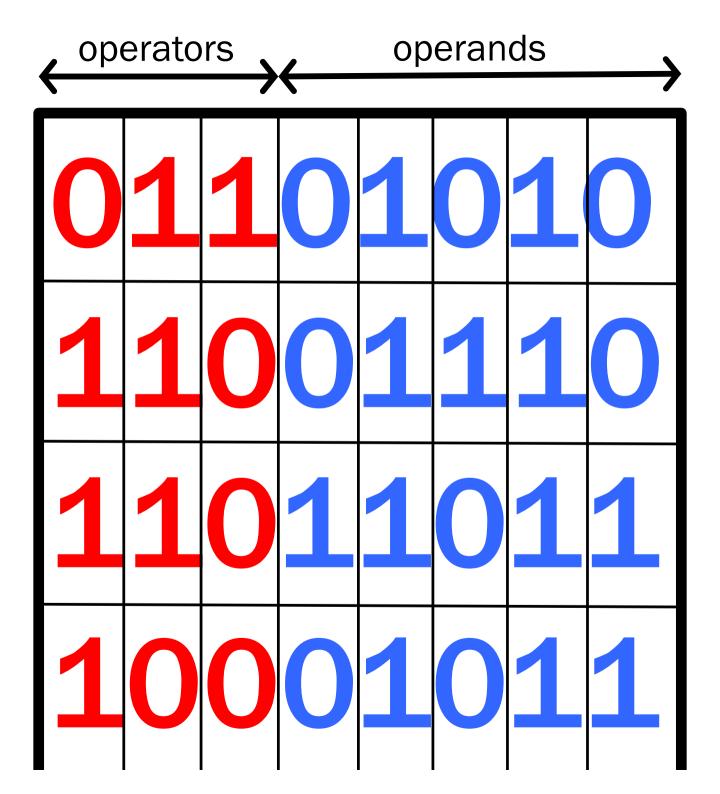
Why is 1 Byte made of 8 bits?

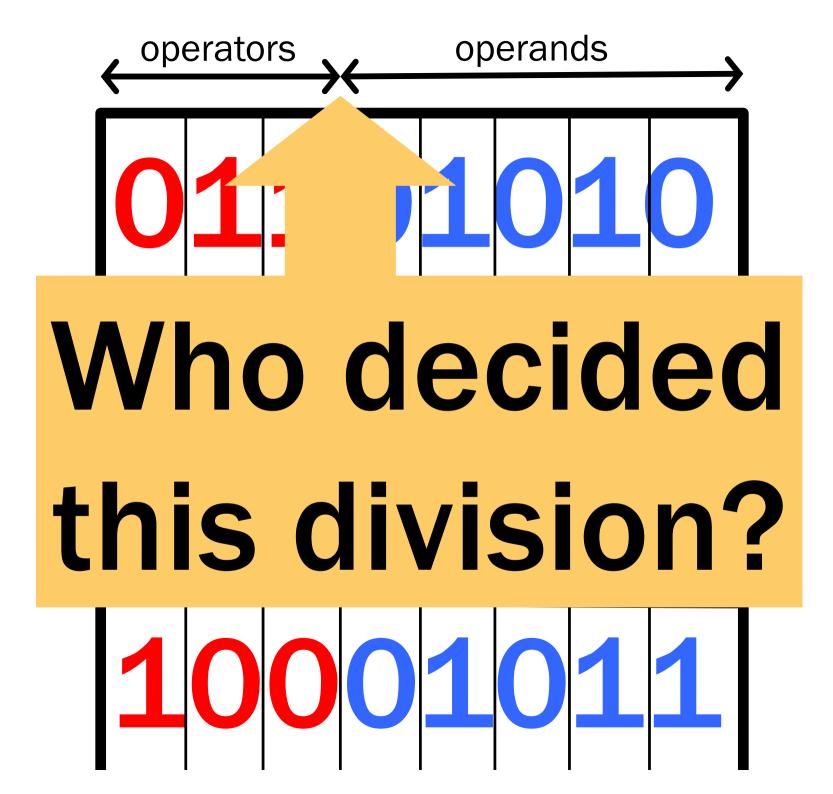




operations operands

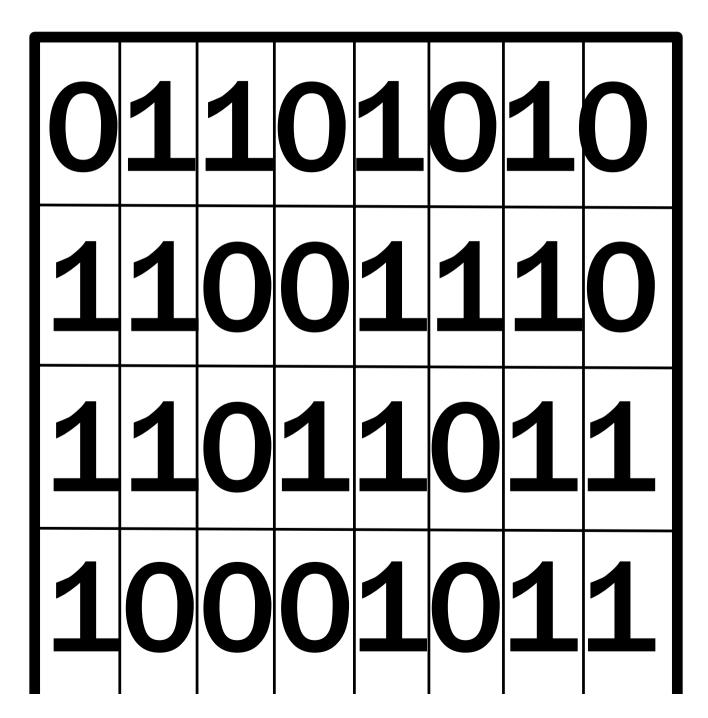






Again, choices.





Both operations and operands can be stored in the same place.

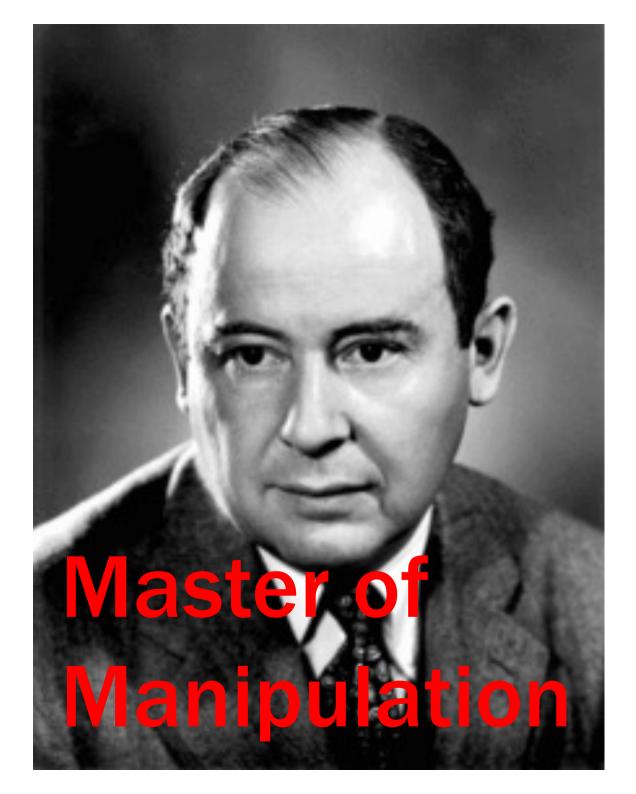
Both operations and operands are bits stored inside words.

We manipulate operands with operations.



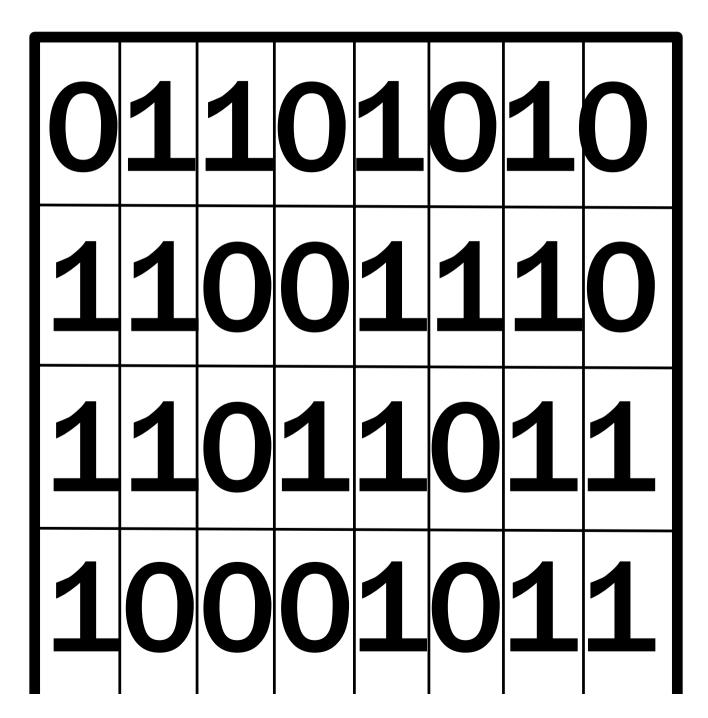
THE STORED PROGRAM We can manipulate operations with change operations, too. "double" decrease

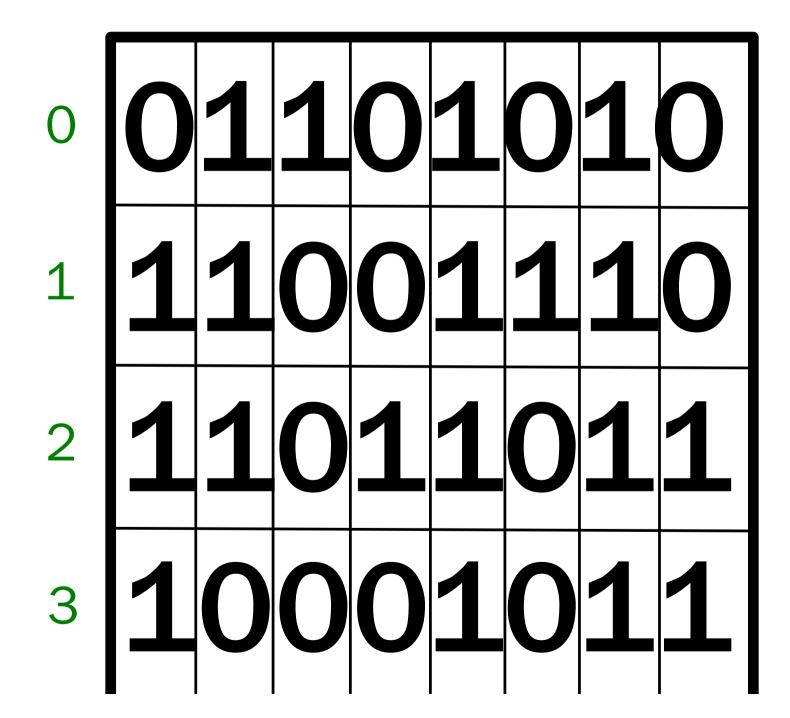
THE STORED PROGRAM We can manipulate operations with operations, too. $3 \xrightarrow{\text{double}} 6$

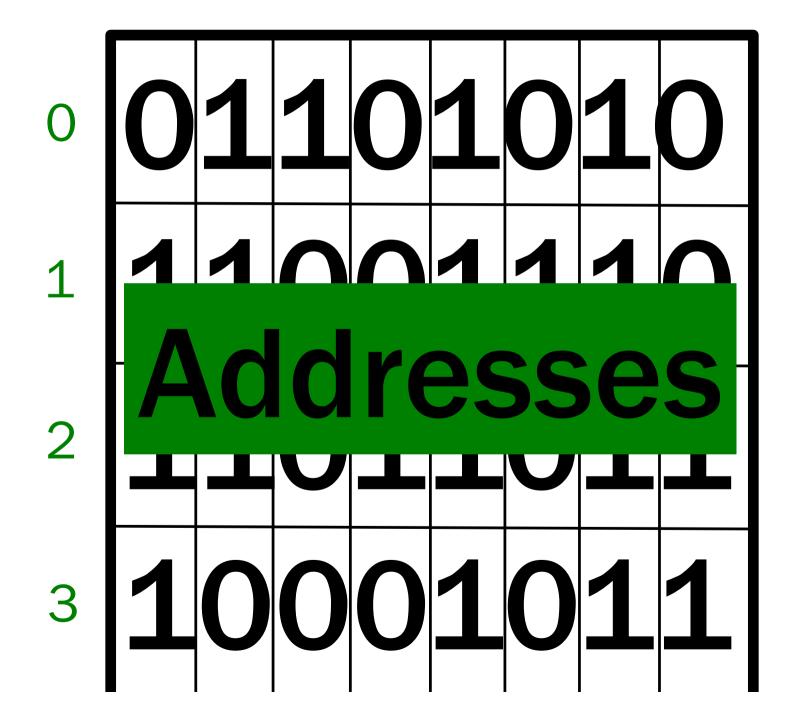


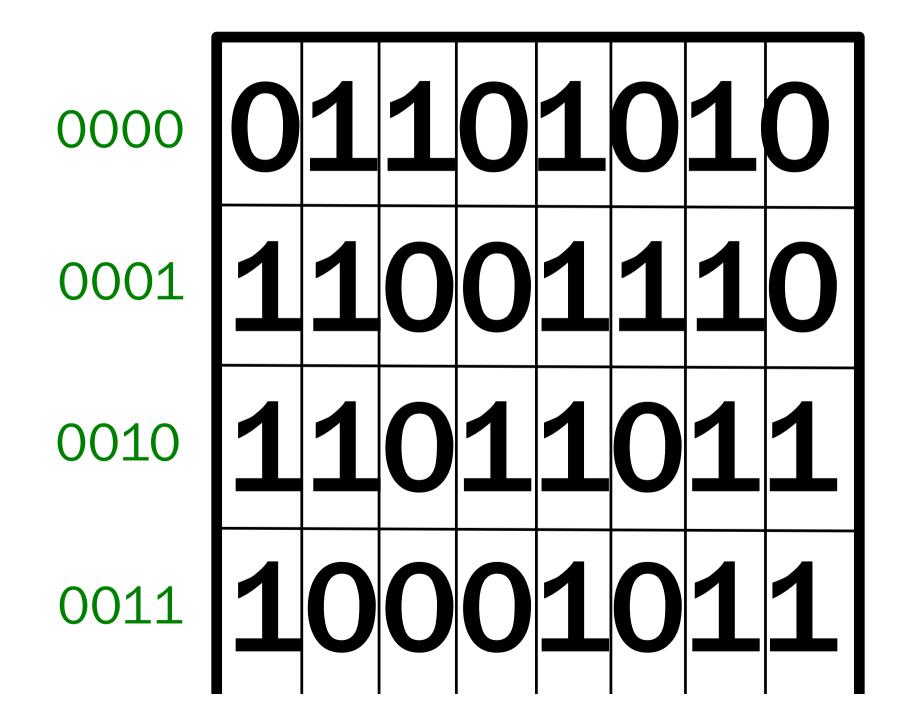
operations operands

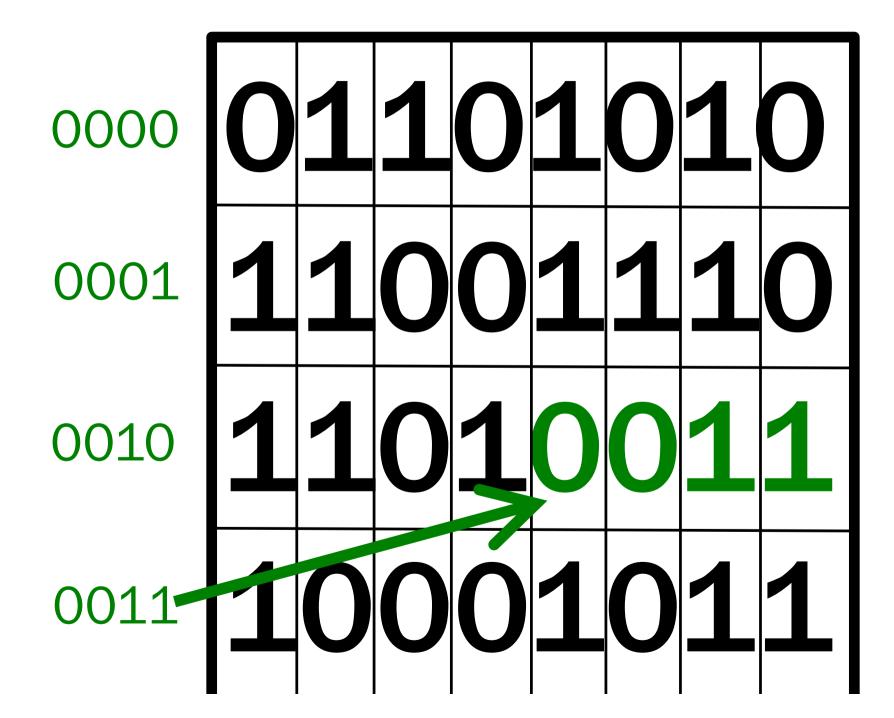
place 352







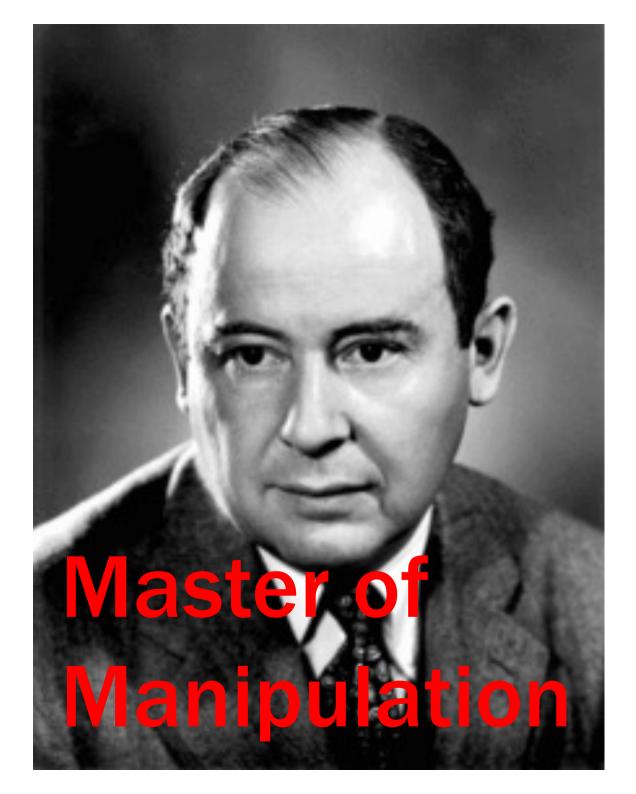




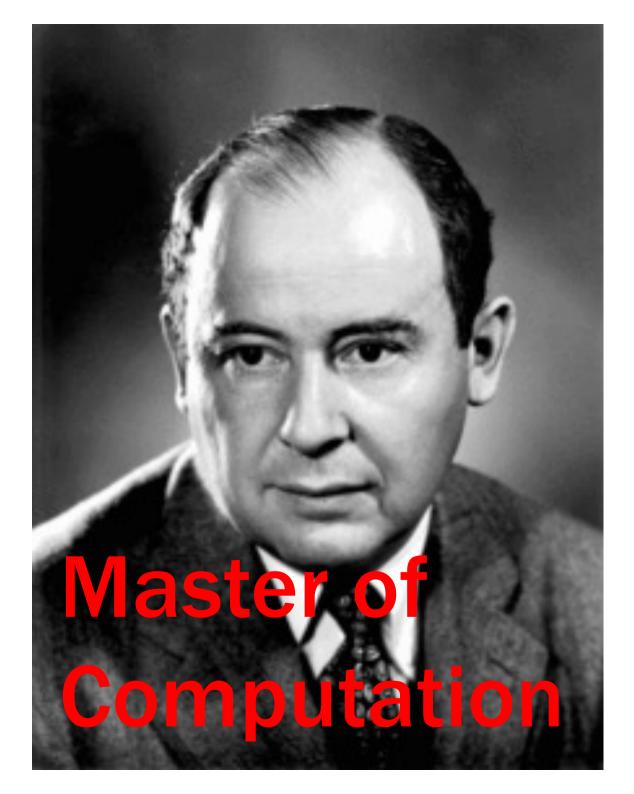
operations operands

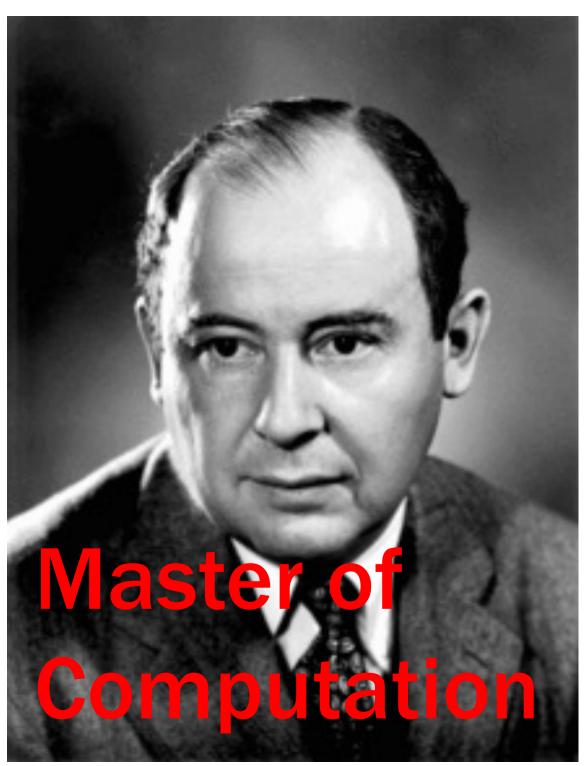
place 4527

- We manipulate operands.
- We manipulate operations.
- We manipulate addresses.



- We elaborate data.
- We create and modify programs.
- We transfer data and programs.





(Still an awful person.)





The Digital in Digital A...ion.docx





The Digital in Digital A...ion.docx

PROGRAM

DATA



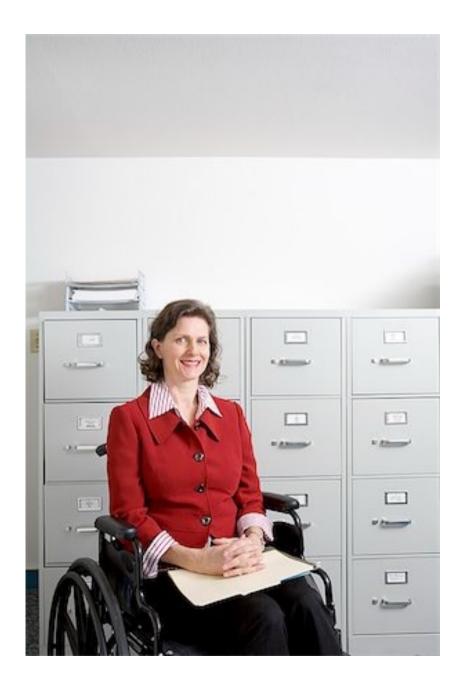


The Digital in Digital A...ion.docx

PROGRAM DATA FILES



A file cabinet.



Google

secretary file cabinet

o 🌷 🔍







Female secretary or assistant checking ... alamy.com



Classic Solid Wood Secretar... dutchcrafters.com · In stock



Secretary filing cabinet Sto... masterfile.com



Smiling secretary searchi... canstockphoto.com



....

Secretary desks, File cabinet desk ... pinterest.pt



Female secretary or assistant checking ... alamy.com



2 Drawer File Cabinet Solid Oak ... amazon.com



Free Filing Cabinet Drawer ... stockunlimited.com



File cabinet desk ... pinterest.com



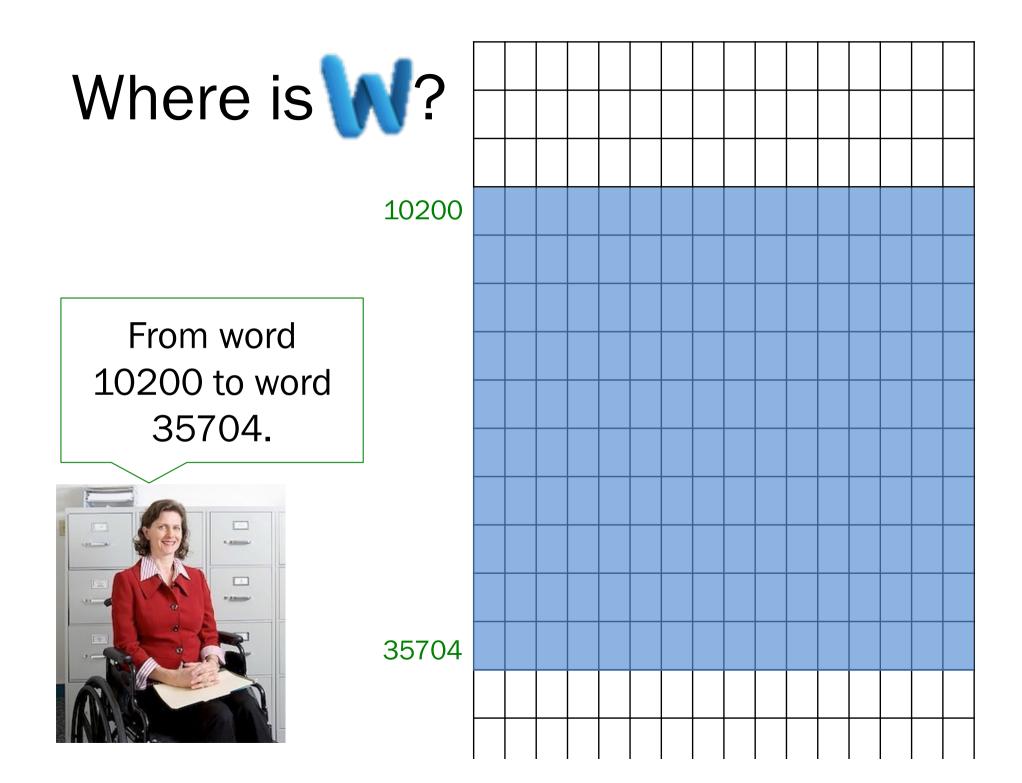
Female secretary or assist... alamy.com



Oak secretary, file cabinet... pinterest.it

Where is W?

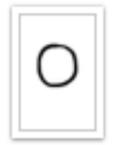
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11 Save Your Tears.m4a





The Digital in

Digital A...ion.docx

enso.JPG



PROGRAM DATA FILES

FILES

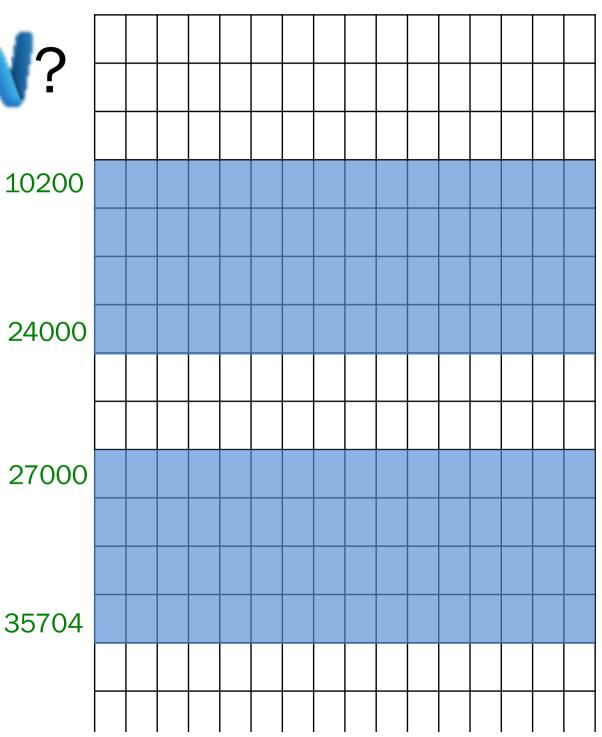
- A file is a group of bits that are logically treated as a unit.
- A file may be comprised of data, program instructions, or addresses.

FILES

- A file is a group of bits that are logically treated as a unit.
- A file may be comprised of data, program instructions, or addresses.

Where is W?

From word 10200 to word 24000 and from word 27000 to 35704.





FILES

- A file is a group of bits that are logically treated as a unit.
- A file may be comprised of data, program instructions, or addresses.

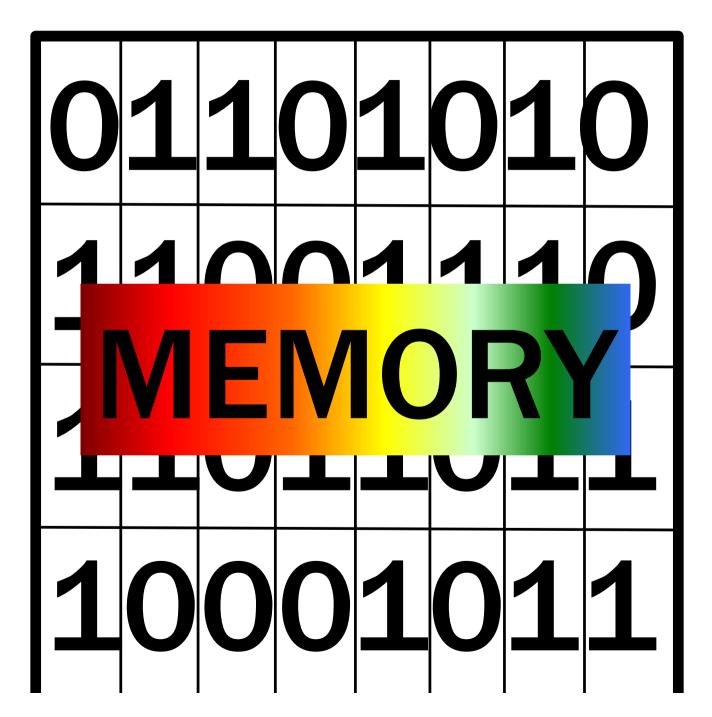


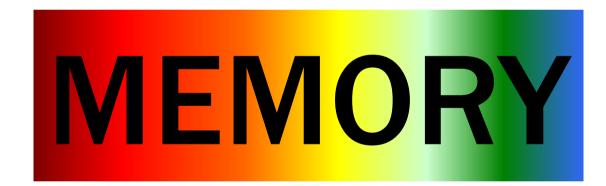
Digital Humanities @UniBG



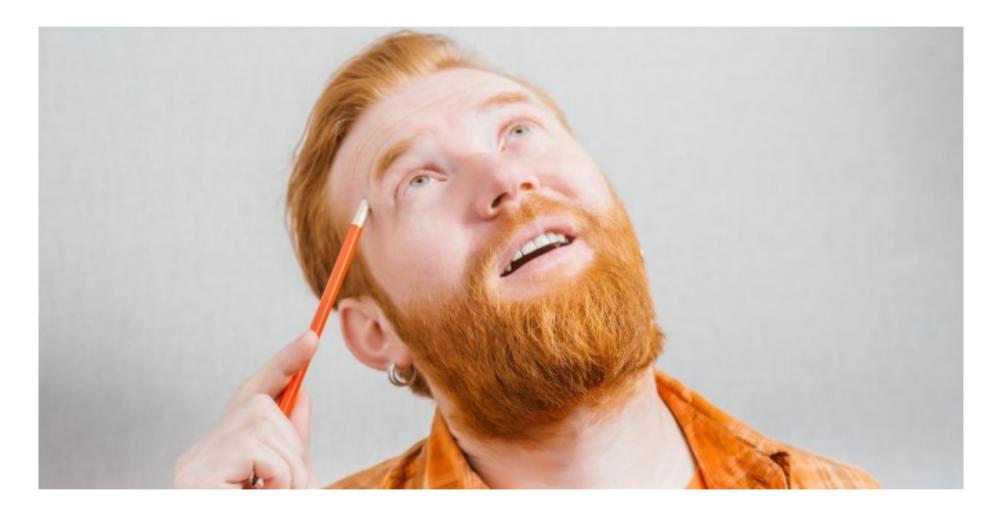
Digital Humanities @UniBG

FOLDER









Memory < (Greek) Mimnesko < mnè < men [the mind]



Memory < (Greek) Mimnesko < mnè < men [the mind]
Record < (Latin) Re-cordis < cor < [the heart]</pre>



Memory < (Greek) Mimnesko < mnè < men [the mind]
Record < (Latin) Re-cordis < cor < [the heart]</pre>



Memory < (Greek) Mimnesko < mnè < men [the mind]
Record < (Latin) Re-cordis < cor < [the heart]</pre>



Memory < (Greek) Mimnesko < mnè < men [the mind]
Record < (Latin) Re-cordis < cor < [the heart]</pre>

Memory < (Greek) Mimnesko < mnè < men [the mind]
Record < (Latin) Re-cordis < cor < [the heart]</pre>











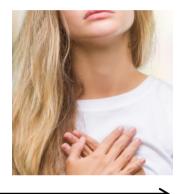




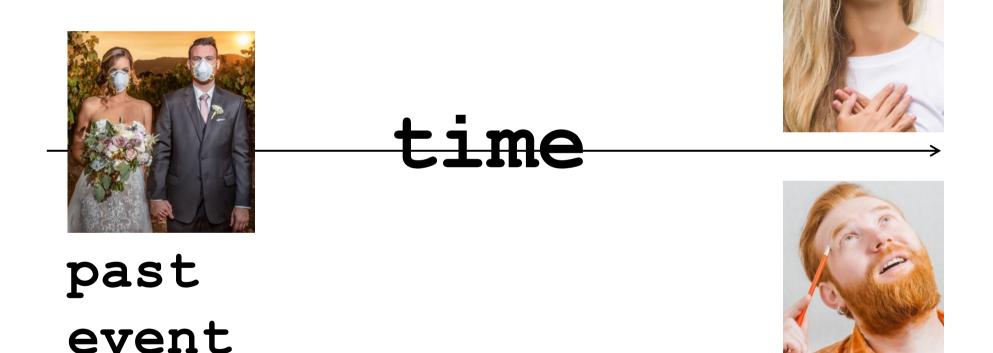












now

remembering

past event





What "Re" is about.

time

• An event



An event



• A description of the event



An event



• A description of the event



A person who accesses the description



• An event



A description of the event



On this slide, they are both descriptions of an event.

• An event



A description of the event



The only event here is that I am showing this slide.

• An event



An event happens. There are people in a place, with their bodies, their faces, their voices. There is music, there is dancing. There is food, there are flowers. There are tastes, there are smells. A description of an event



An event happened. There were people in a place, with their bodies, their faces, their voices. There was music, there was dancing. There was food, there were flowers. There were tastes, there were smells.

What "Re" is about.

An event



• A description of the event



A person who accesses the description

What about the person?

• An event



• A description of the event



A person who accesses the description



"If a tree were to fall on an island where there were no human beings would there be any sound?"



"If a Polaroid picture were to be on an island where there were no human beings would there be any memory?"









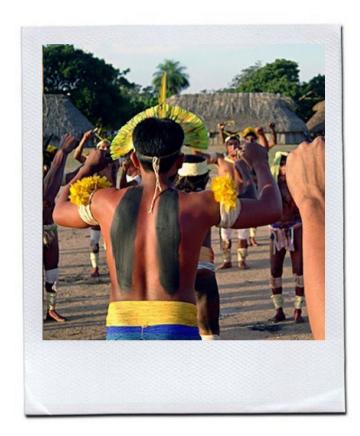






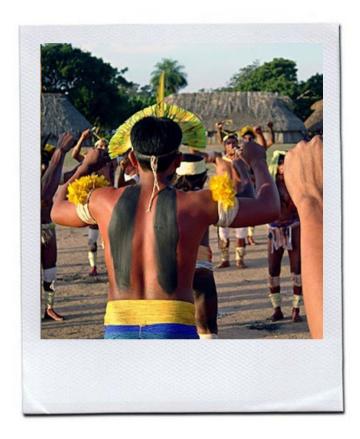


1. There is a relation between the person accessing the description and the content of the description





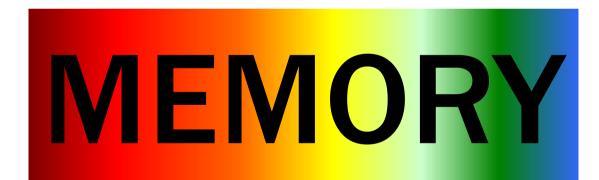




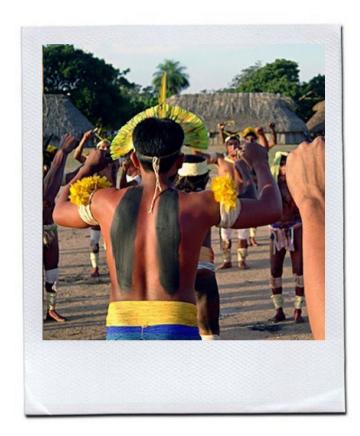


?

«A person cannot remember an event in which they didn't participate!»

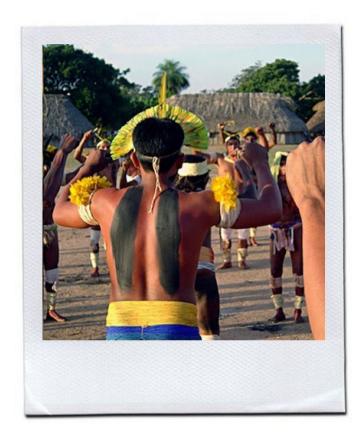


Memories are not only about a single person. Memories can be about a family, a nation, a culture, the human race.













remembering now

past event







time



remembering in the future

past event



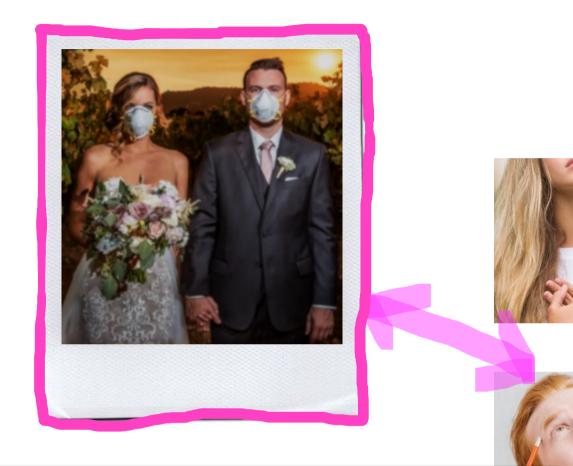




remembering in the far future

past event





2. There is a relation between the person accessing the description and the container of the description

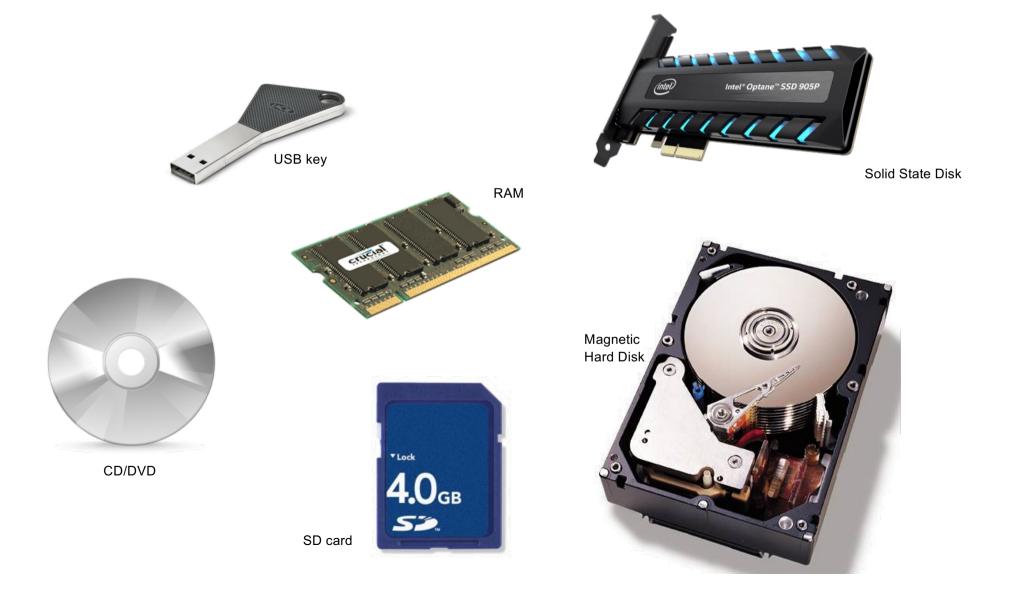




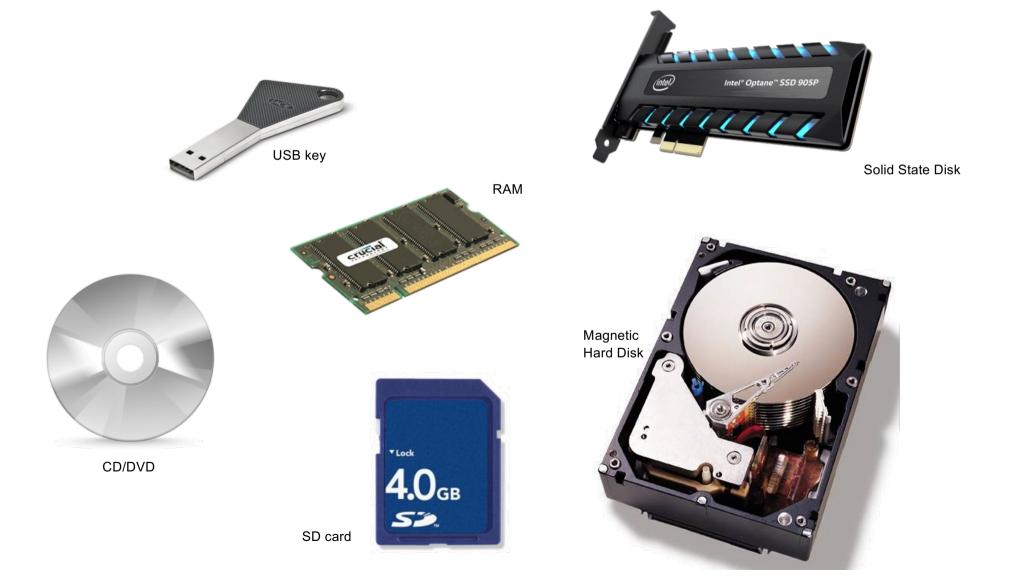


Is a person still able to access the description of an event? Will the container of that description stand the test of time?

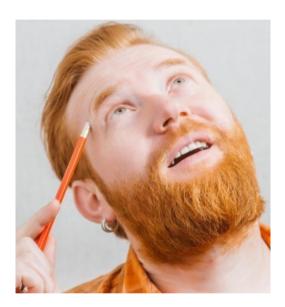
Digital Memory Devices

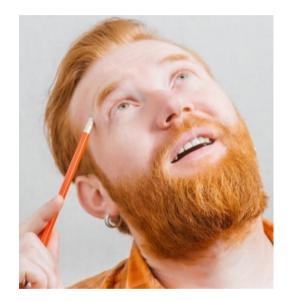


Digital Memory Devices



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0	1	0	0	4	EOT	DC4		4	D	т	d	1
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USASCII code chart

USASCII code chart

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0	0	1	0	2	STX	DC2		2	B	R	b	1
0	0	1	1	3	ETX	DC3	#	3	C	S	c	5
0	1	0	0	4	EOT	DC4	1	4	D	т	d	1
0	T	0	1	5	ENQ	NAK	%	5	E	U	e	U
0	1	1	0	6	ACK	SYN	8	6	F	v	1	v
0	T	1	1	7	BEL	ETB		7	G	w	9	w
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USASCII code chart

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0	0	1	0	2	STX	DC2	-	2	B	R	b	
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0	1	0	0	4	EOT	DC4	1	4	D	т	d	1
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time









Proposal for marker of nuclear waste repository. ("Into Eternity", by Micheal Madsen, 2010)

10000 years