





## METROPOLIS

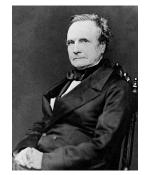
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Charles Babbage



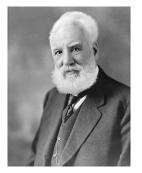
Lady Lovelace



Samuel Morse



George Boole



Alexander Graham Bell



Alan Turing



Claude Shannon



Vannevar Bush



Douglas Engelbart



Ted Nelson



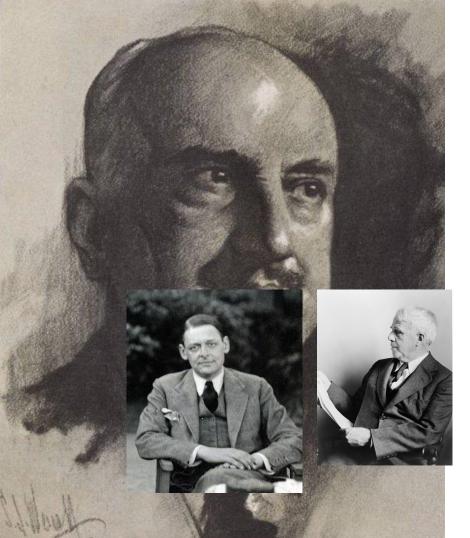
Tim Berners-Lee



Roy T. Fielding







"Those who cannot remember the past are condemned to repeat it." George Santayana, Life of Reason Vol. 1, 1905





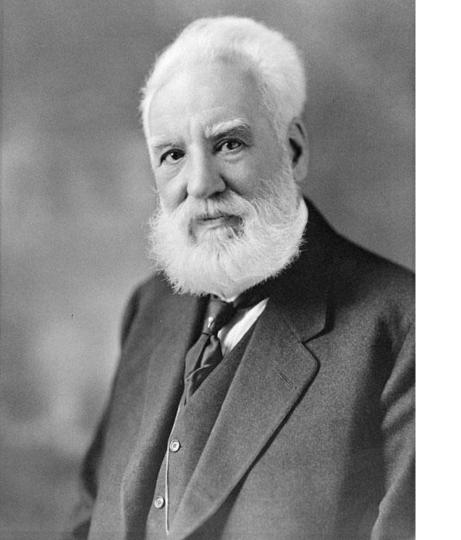


"Those who ignore the mistakes of the future are bound to make them."

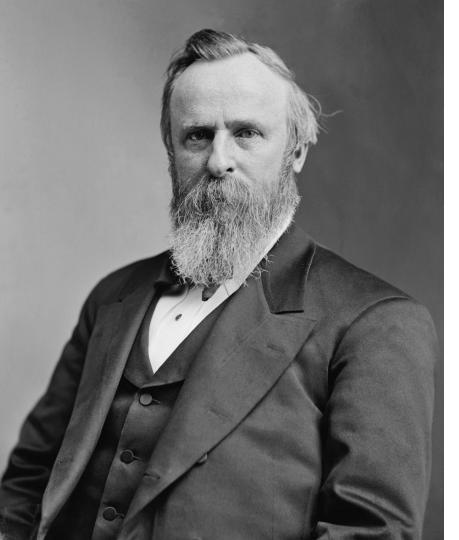
Joseph D. Miller, 2006





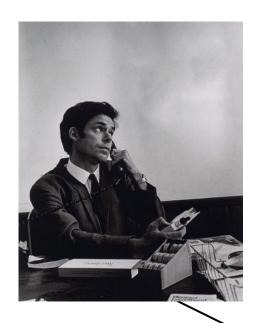






"That's an amazing invention, but who would ever want to use one of them?"

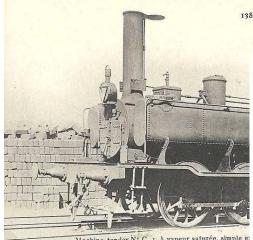
-President R.B. Hays, 1876



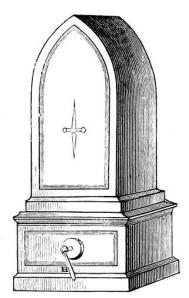








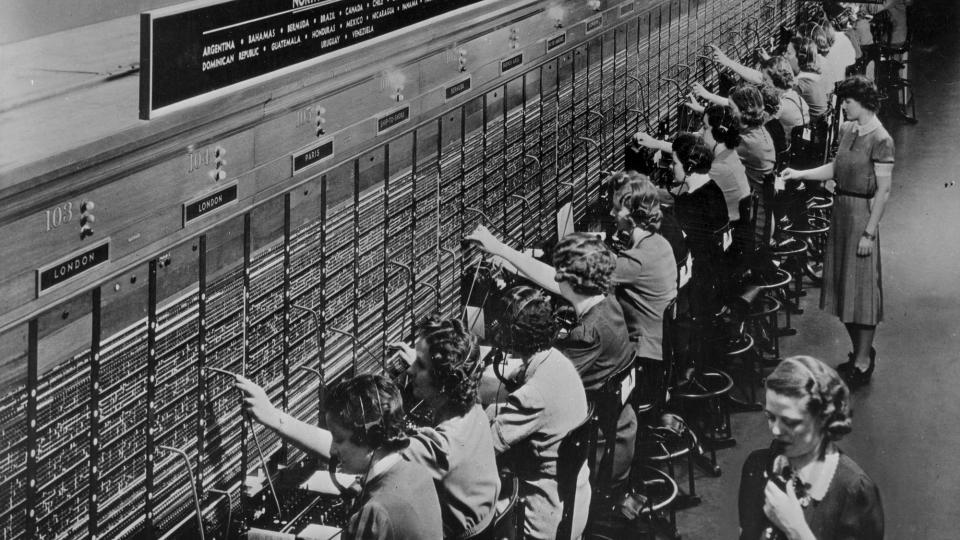
Machine-tender N° C. 1, à vapeur saturée, simple et 3 essieux accouplés, pour le Chemin de fe (Série C. 1 à C. 3 construite é

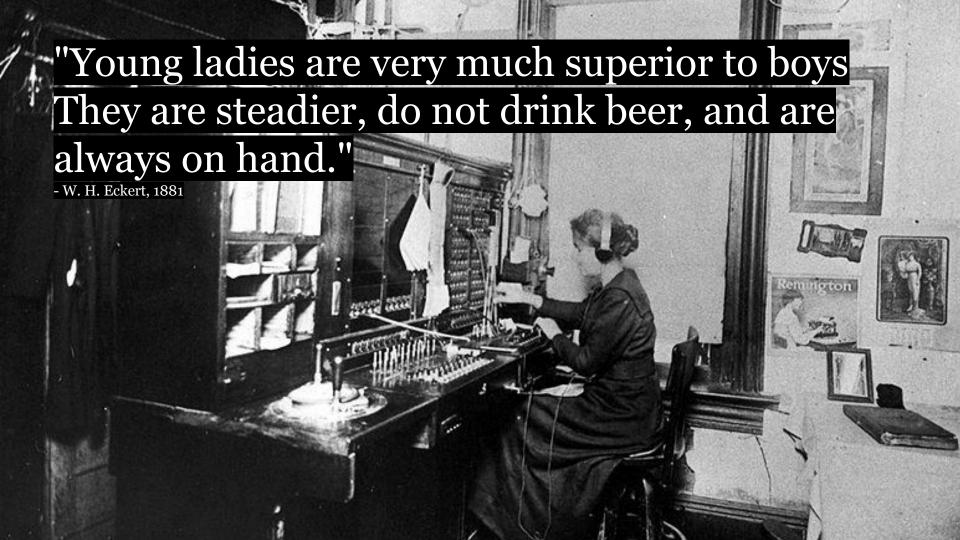




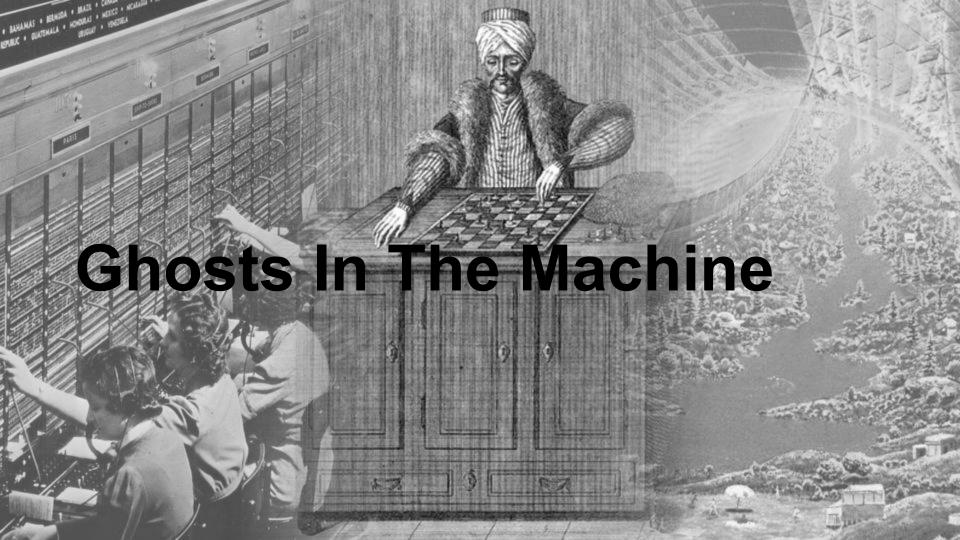


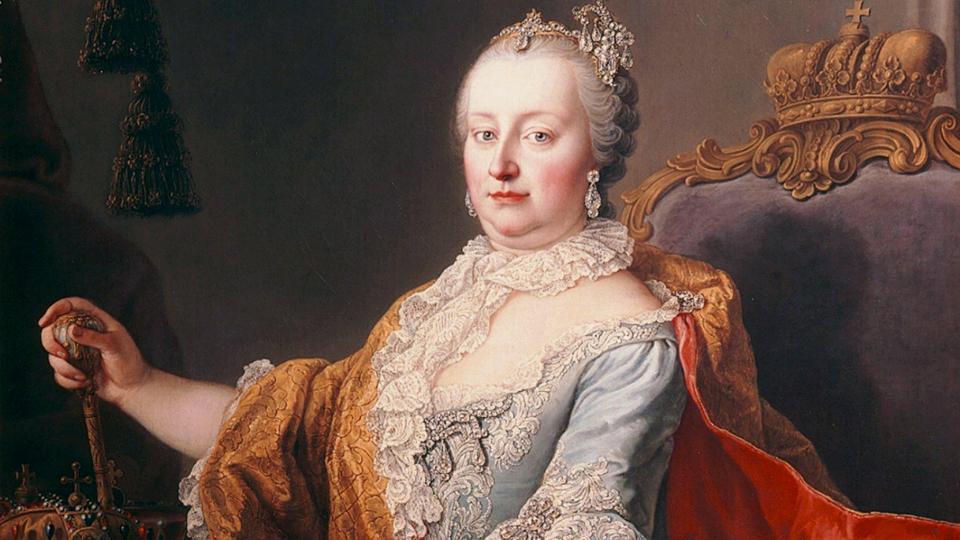
"The time is close at hand when the scattered members of civilized communities will be as closely united, so far as instant communication is concerned, as the various members of the body now are by the nervous system."









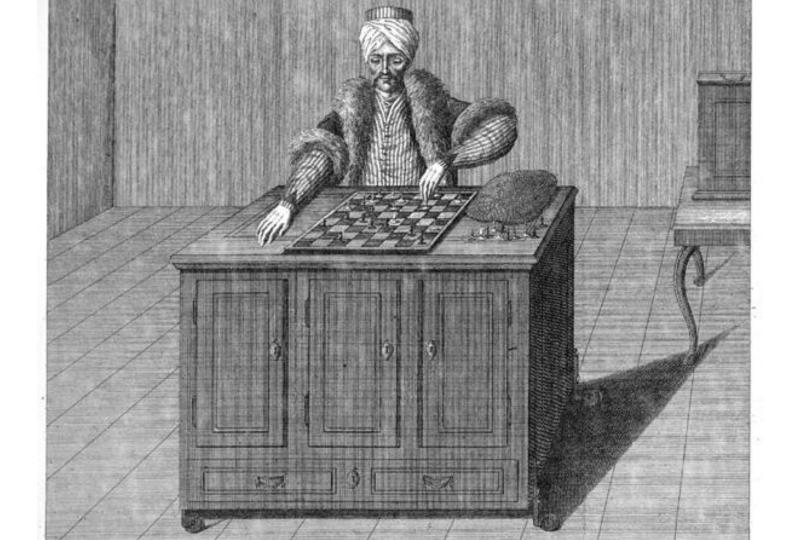


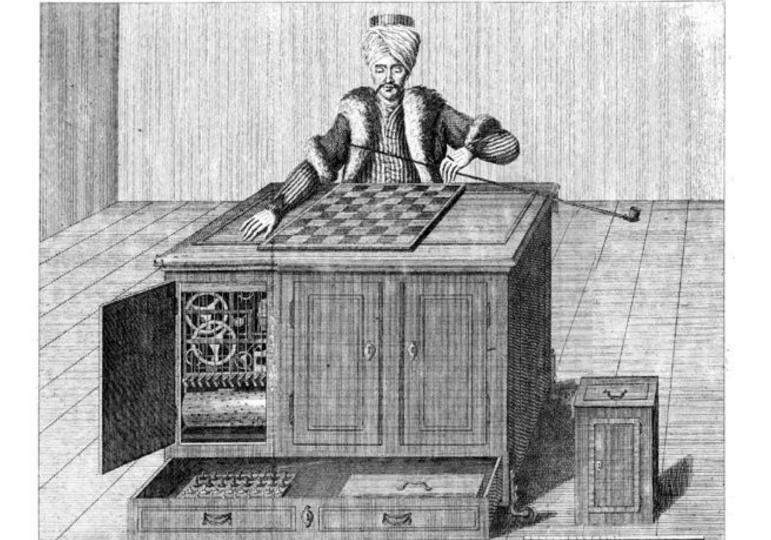












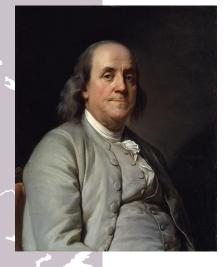




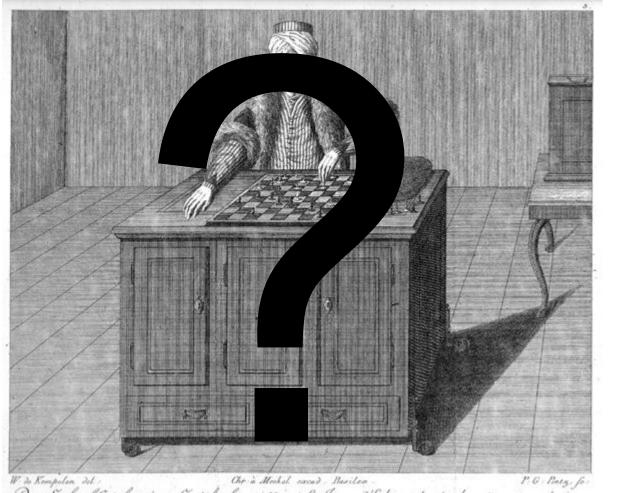
Paul I of Russia



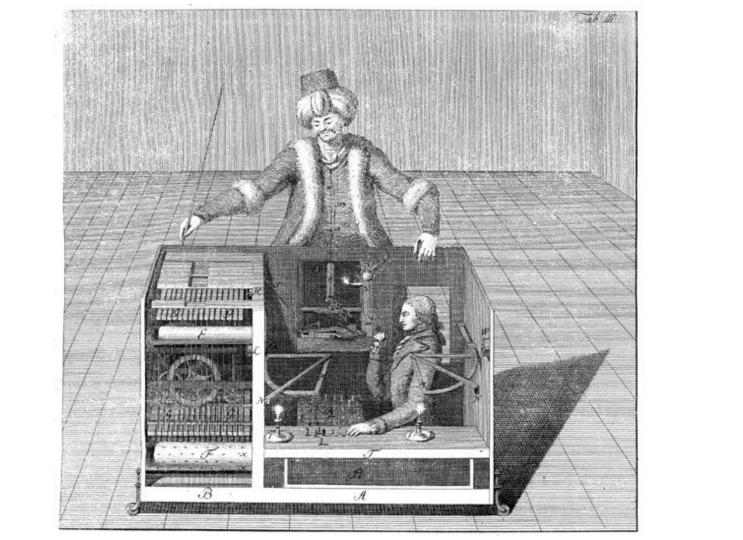
Paris



Benjamin Franklin

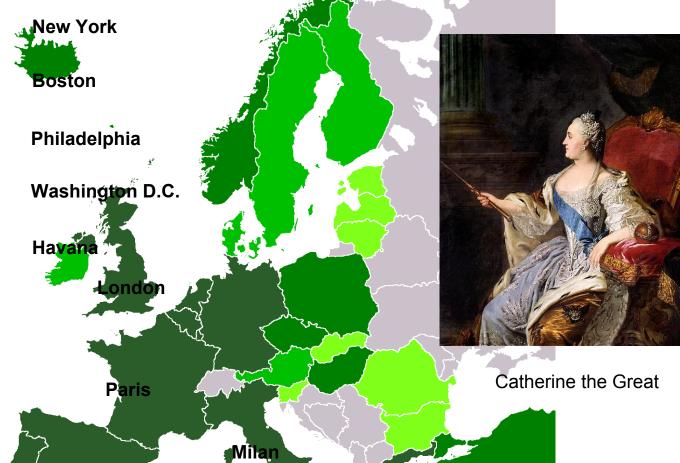


W to Kompilen det . P. G. Rang for Der Sobartsprieler im Spiele begriffen Le Toueur d'Echecs tel qu'en le voit pendant le jeu .

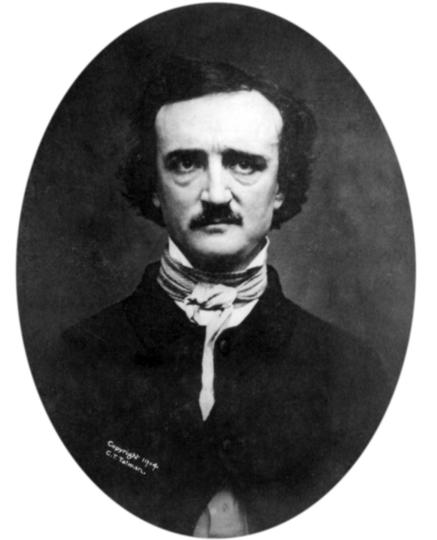




Napoleon I







this year, we feel convinced you will, upon proper rep- | by two horses of the same material. One window being resentation, take pleasure in correcting it, as an impres- down, a lady was seen on the back seat. A coachman sion so erroneous might have a prejudicial tendency. held the reins on the box, and a footman and page were Under the notice of the Eulogies on the Life and Cha- in their places behind. M. Camus now touched a spring; racter of the late Chief Justice Marshall, it is there whereupon the coachman smacked his whip, and the stated that "for several years past Judge Marshall had horses proceeded in a natural manner, along the edge suffered under a most excruciating malady. A surgical of the table, drawing after them the carriage. Having operation by Dr. Physick of Philadelphia at length gone as far as possible in this direction, a sudden turn procured him relief: but a burt received in travelling was made to the left, and the vehicle was driven at right last Spring seems to have caused a return of the former angles to its former course, and still closely along the complaint with circumstances of aggravated pain and edge of the table. In this way the coach proceeded danger. Having revisited Philadelphia in the hope of until it arrived opposite the chair of the young prince. again finding a cure, his disease there overpowered him, It then stopped, the page descended and opened the and he died on the 6th of July, 1835, in the 80th year door, the lady alighted, and presented a petition to her of his age,"

Now, sir, the above quotation is incorrect in the following respect: Judge Marshall never had a return of coachman whipped his horses, and the carriage was the complaint for which he was operated upon by Dr. driven back to its original position. Physick. After the demise of Chief Justice Marshall, it became our melancholy duty to make a post morten examination, which we did in the most careful manner, Letters before mentioned of Dr. B., who derived his inand ascertained that his bladder did not contain one formation principally from the Edinburgh Encyclopæparticle of calculous matter; its mucous coat was in a dia, perfectly natural state, and exhibited not the slightest traces of irritation.

The cause of his death was a very diseased condition pressure upon the stomach had the effect of dislodging in such a manner, that for some time previous to his death By publishing this statement, you will oblige

Yours, very respectfully,

N. CHAPMAN, M. D. J. RANDOLPH. M. D.

To T. W. White, Esq.

## MAELZEUS CHESS-PLAYER.

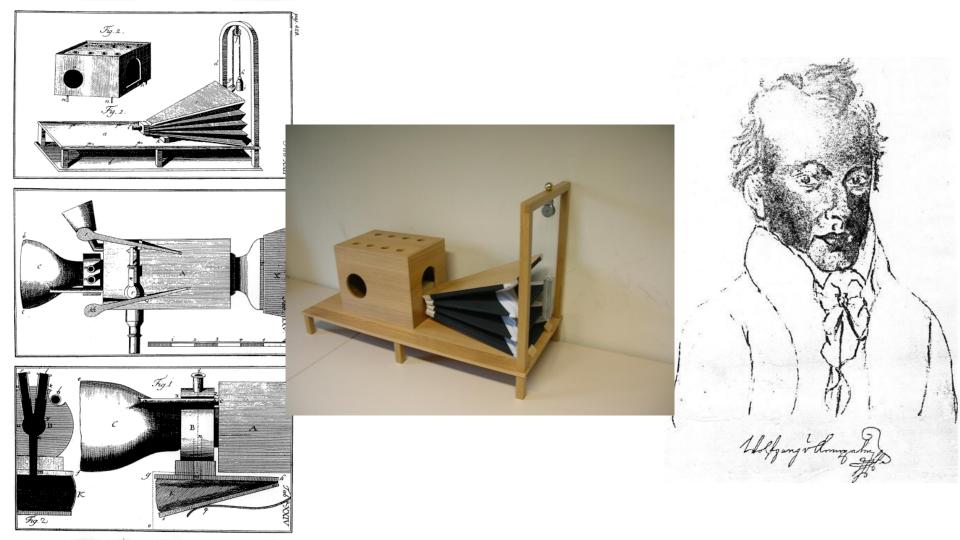
firstly, the coach invented by M. Camus for the amuse- tained, were extremely simple." ment of Louis XIV when a child. A table, about four | The duck of Vaucanson was still more remarkable. feet square, was introduced, into the room appropriated It was of the size of life, and so perfect an imitation of for the exhibition. Upon this table was placed a car- the living animal that all the spectators were deceived.

sovereign. She then re-entered. The page put up the steps, closed the door, and resumed his station. The

The magician of M. Maillardet is also worthy of notice. We copy the following account of it from the

"One of the most popular pieces of mechanism which we have seen, is the Magician constructed by M. Maillardet, for the purpose of answering certain given quesof the liver, which was enormously enlarged, and con- tions. A figure, dressed like a magician, appears seated tained several tuberculous abscesses of great size; its at the bottom of a wall, holding a wand in one hand, and a book in the other. A number of questions, ready this organ from its natural situation, and compressing it prepared, are inscribed on oval medallions, and the spectator takes any of these he chooses, and to which it would not retain the smallest quantity of nutriment. he wishes an answer, and having placed it in a drawer ready to receive it, the drawer shuts with a spring till the answer is returned. The magician then arises from his seat, bows his head, describes circles with his wand, and consulting the book as if in deep thought, he lifts it towards his face. Having thus appeared to ponder over the proposed question, he raises his wand, and striking with it the wall above his head, two folding doors fly open, and display an appropriate answer to Perhaps no exhibition of the kind has ever elicited the question. The doors again close, the magician reso general attention as the Choss-Player of Maelzel. sumes his original position, and the drawer opens to re-Wherever seen it has been an object of intense curiosity, turn the medallion. There are twenty of these medalto all persons who think. Yet the question of its modus lions, all containing different questions, to which the operandi is still undetermined. Nothing has been writ- magician returns the most suitable and striking answers. ten on this topic which can be considered as decisive- | The medallions are thin plates of brass, of an elliptical and accordingly we find every where men of mechanical form, exactly resembling each other. Some of the megenius, of great general acuteness, and discriminative dallions have a question inscribed on each side, both of understanding, who make no scruple in pronouncing the which the magician answered in succession. If the Automaton a pure machine, unconnected with human drawer is shut without a medallion being put into it, the ngency in its movements, and consequently, beyond all magician rises, consults his book, shakes his head, and comparison, the most astonishing of the inventions of resumes his seat. The folding doors remain shut, and mankind. And such it would undoubtedly be, were they the drawer is returned empty. If two medallions are right in their supposition. Assuming this hypothesis, it | put into the drawer together, an answer is returned only would be grossly absurd to compare with the Chess- to the lower one. When the machinery is wound up, Player, any similar thing of either modern or ancient | the movements continue about an hour, during which days. Yet there have been many and wonderful auto- time about fifty questions may be answered. The inmata. In Brewster's Letters on Natural Magic, we ventor stated that the means by which the different have an account of the most remarkable. Among these medallions acted upon the machinery, so as to produce may be mentioned, as having beyond doubt existed, the proper answers to the questions which they con-

riage, six inches in length, made of wood, and drawn It executed, says Brewster, all the natural movements



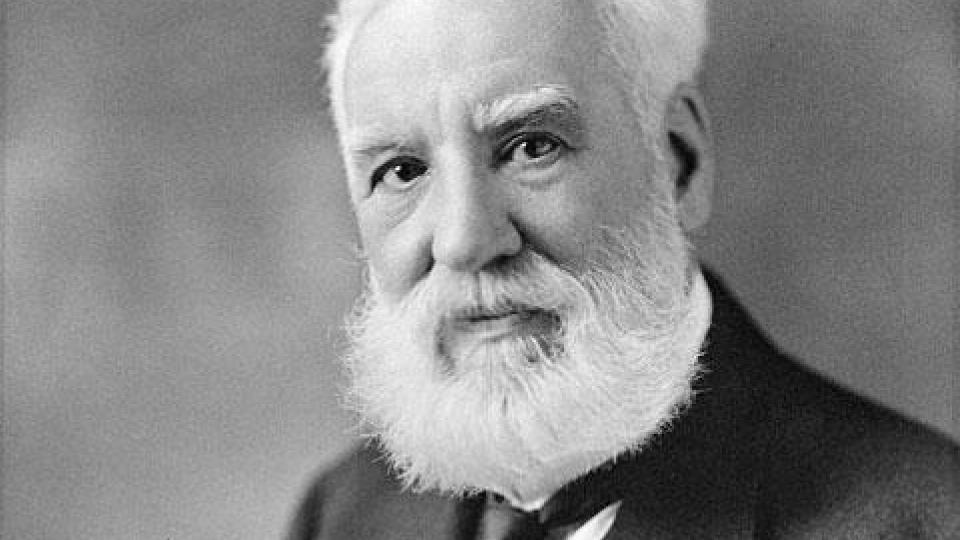














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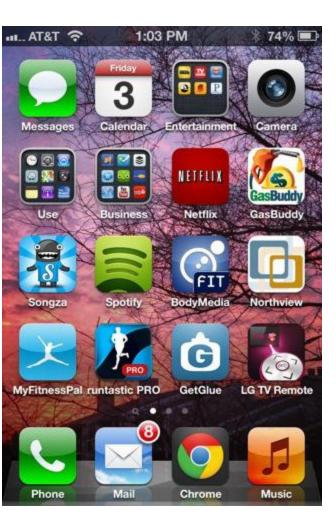


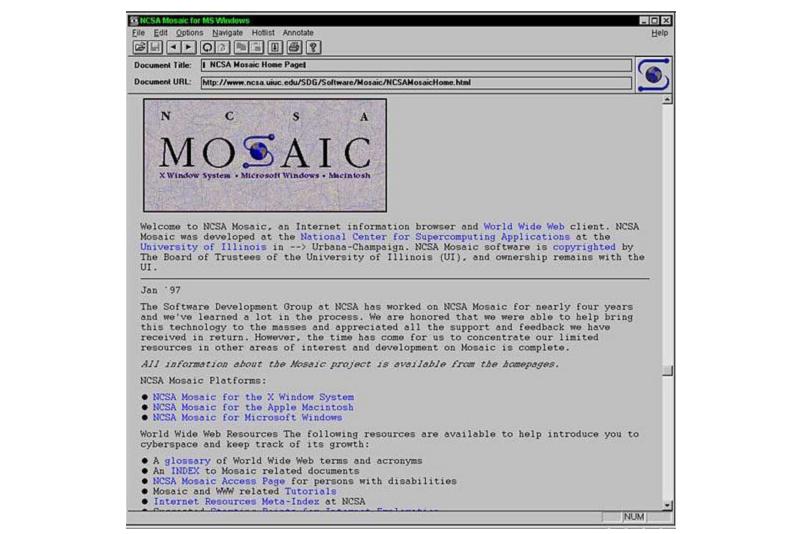


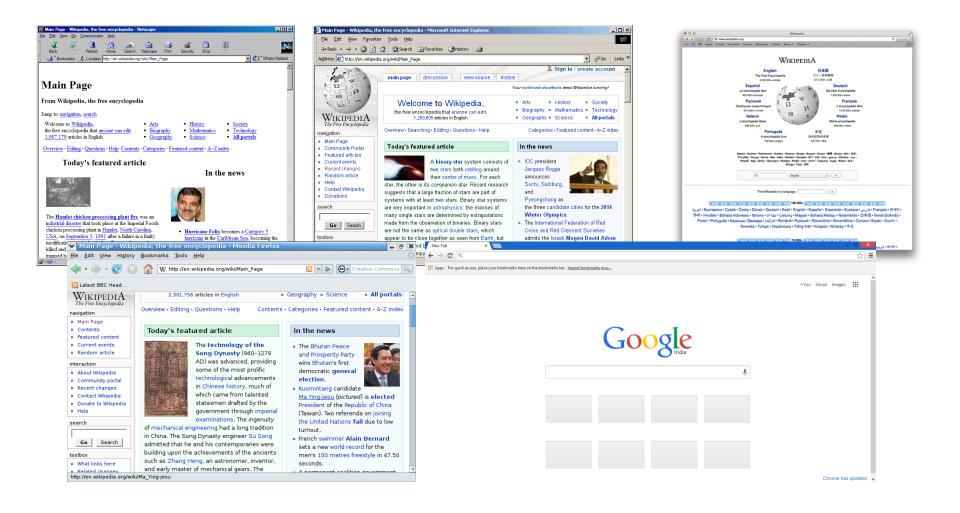








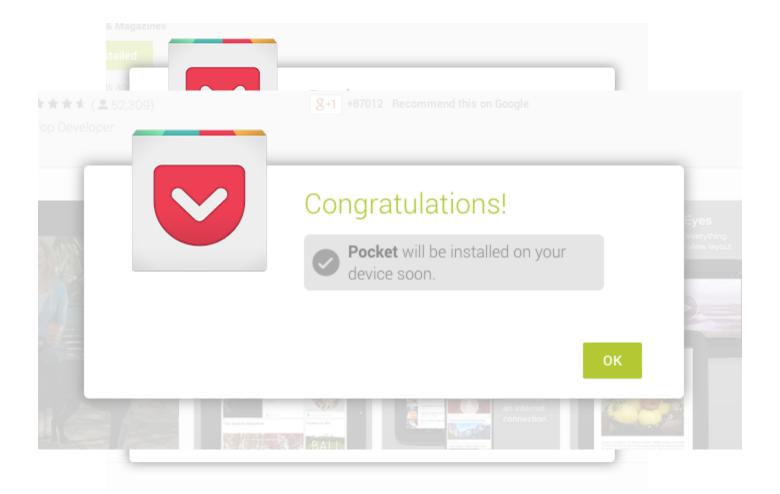




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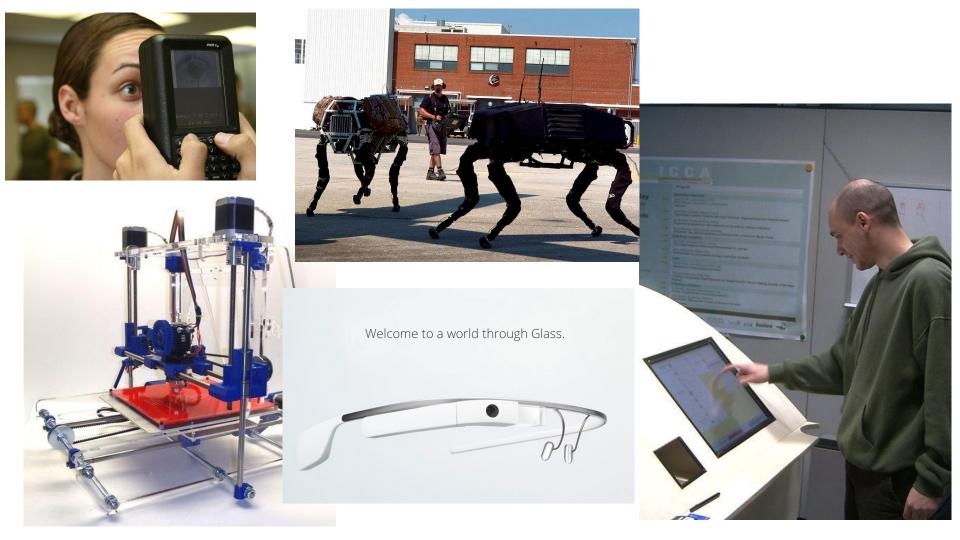






"Any sufficiently advanced technology is indistinguishable from magic."

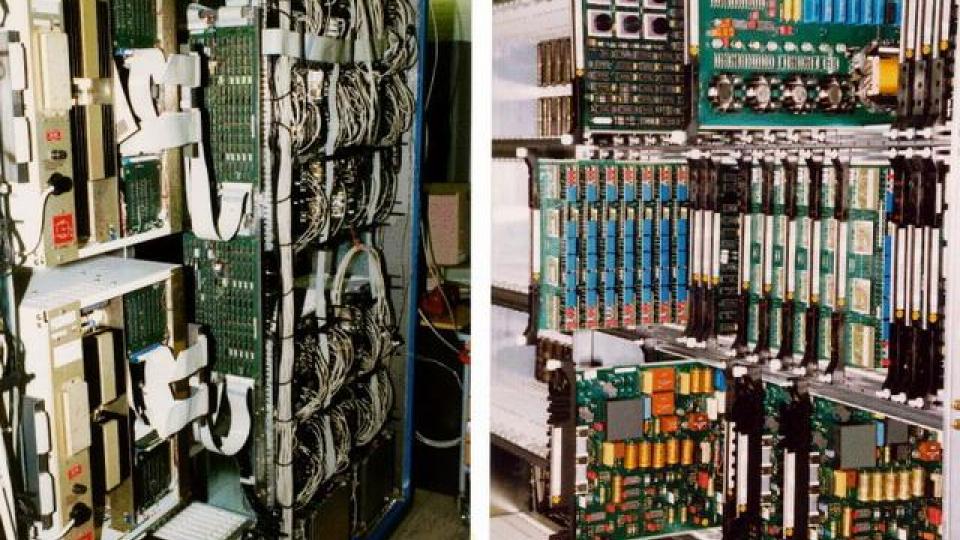
- Arthur C. Clarke (1917 - 2008)





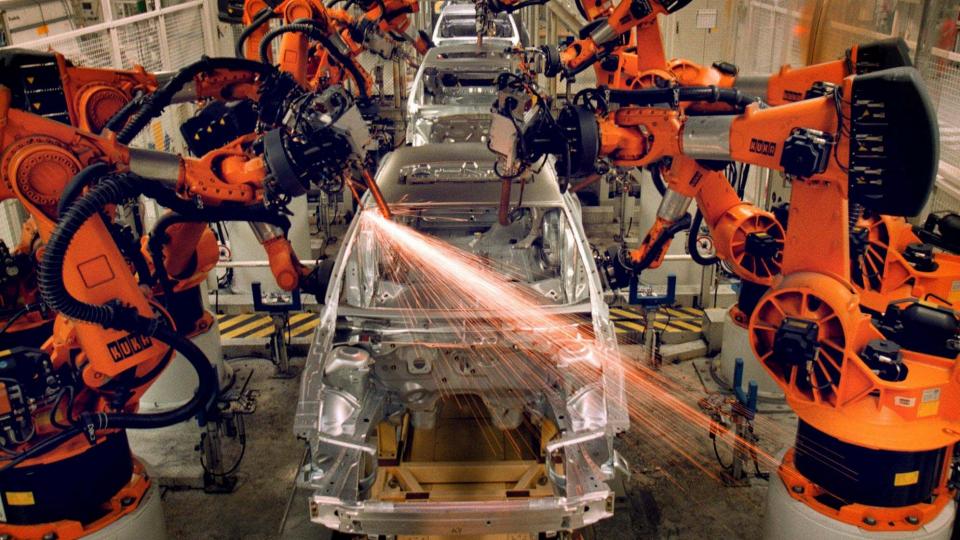








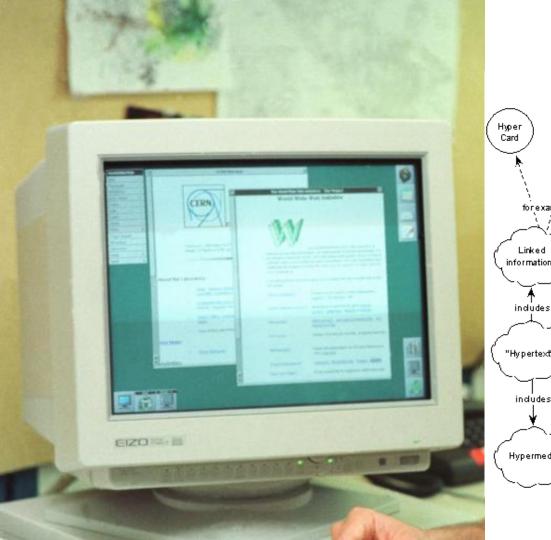


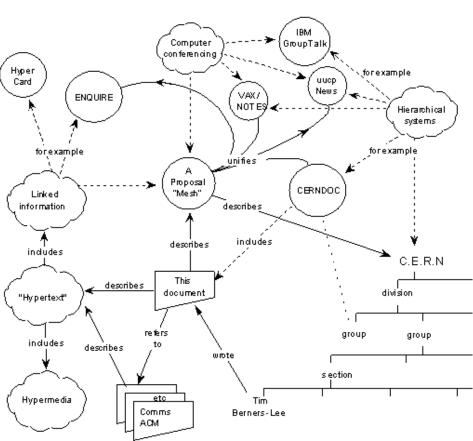




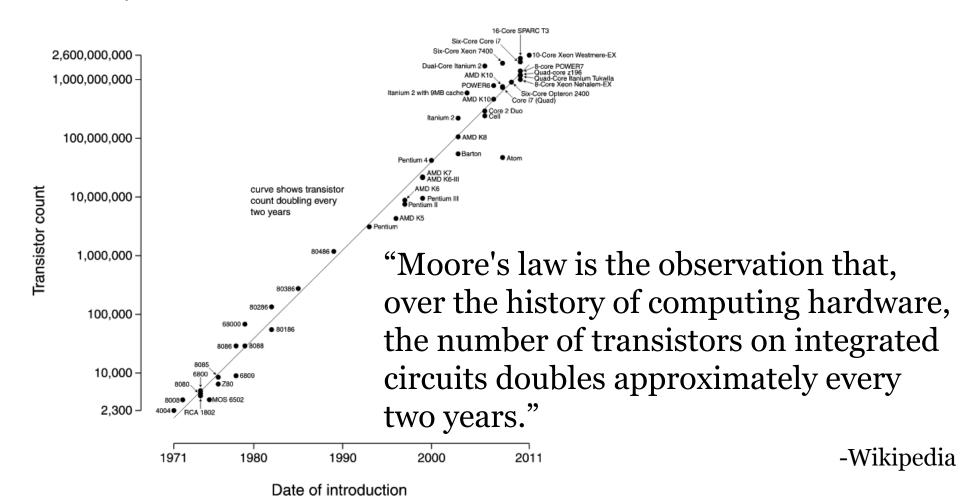
"A web of nodes in which the user can browse at will"

-Tim Berners-Lee





### Microprocessor Transistor Counts 1971-2011 & Moore's Law

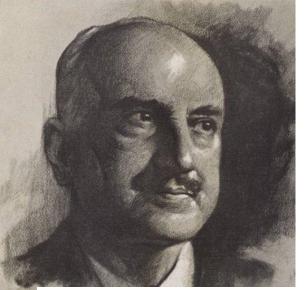


## January 2033

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
				-		
6	7	8	9	10 Autoroto TOTAL	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26







"Those who cannot remember the past are condemned to repeat it."

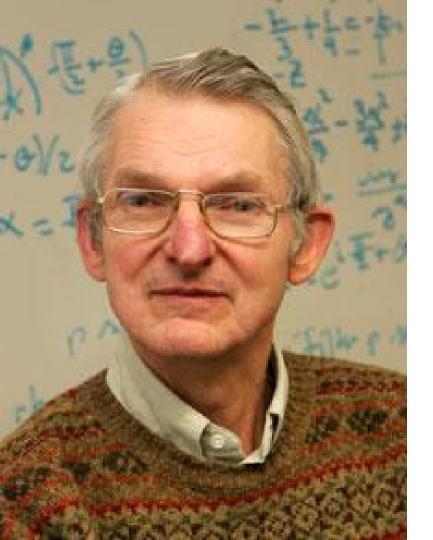
George Santayana, Life of Reason Vol. 1, 1905

"Those who ignore the mistakes of the future are bound to make them."

Joseph D. Miller, 2006



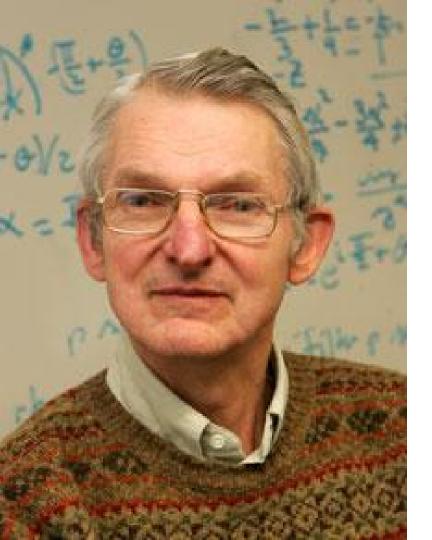




# "Write programs that do one thing and do it well."

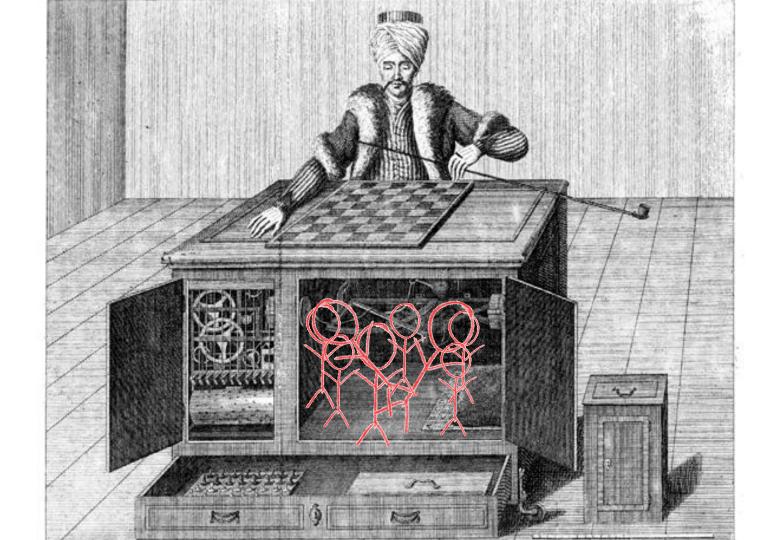
- Douglas Mcilroy, 1978

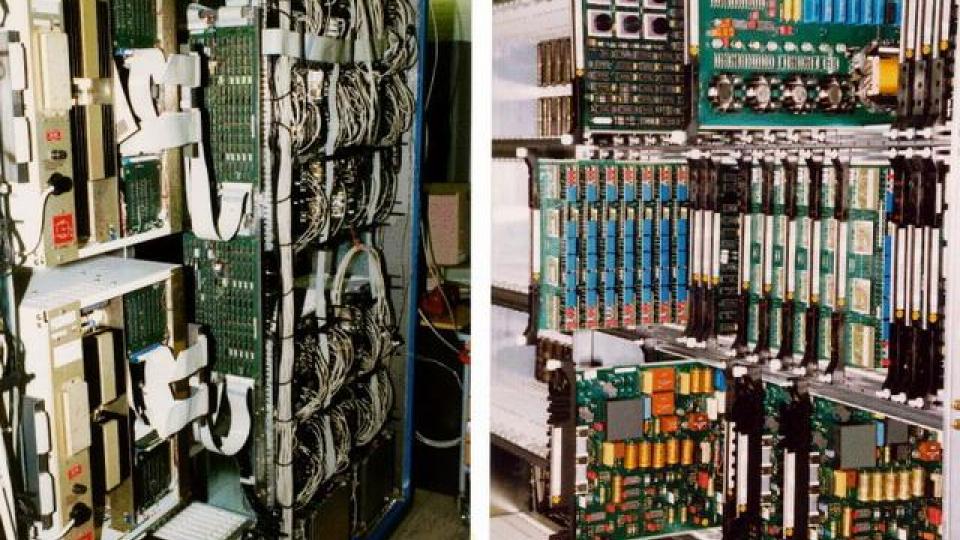


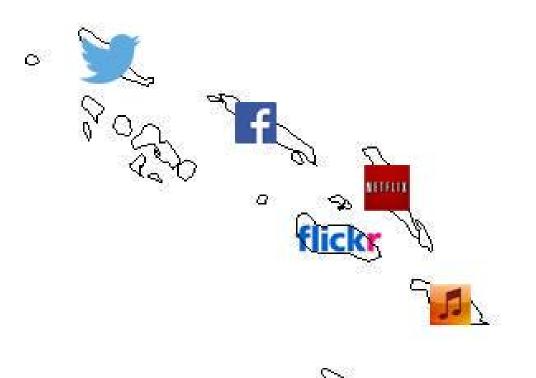


"Write programs that do one thing and do it well. Write programs to work together."

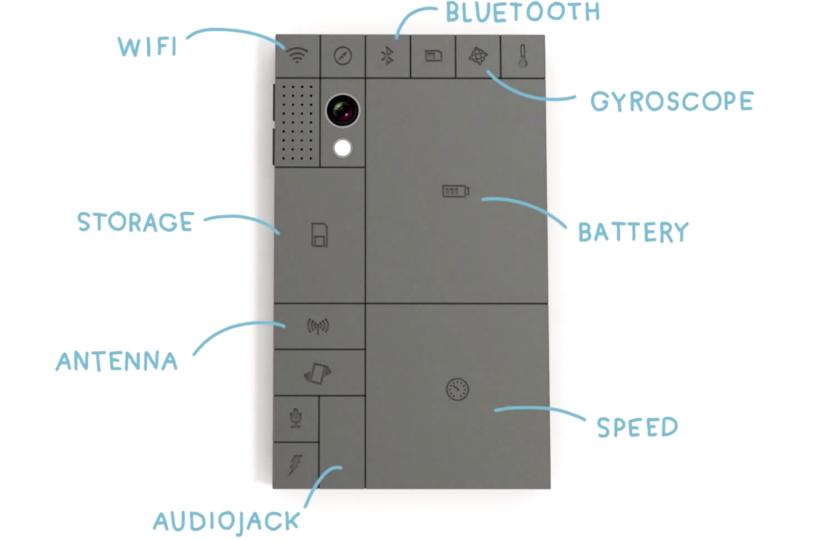
- Douglas Mcilroy, 1978

















"Those who ignore the mistakes of the future are bound to make them."

Joseph D. Miller, 2006





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http://www2.ling.su.se/staff/hartmut/kemplne.htm

http://www.cantitoeroad.com/magic-magnets-impossible-to-resist

http://gurovich.com/site/2011/07/19/the-dinosaur-feed-pen/

http://www.voanews.com/content/global-retailers-to-inspect-bangladesh-factories/1697891.html

http://thebreakthrough.org/tag/Economic%20Growth

http://home.web.cern.ch/about/birth-web

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http://geography.about.com/library/blank/blxsolomon.htm

http://thenextweb.com/gadgets/2013/09/11/phonebloks-lego-like-modular-smartphone-wants-to-make-disposable-devices-a-thing-of-the-past/

http://twocrabapples.blogspot.com/2012/04/savior-who-descends-gospel-and-time.html

http://www.hangthebankers.com/islave-foxconn-workers-strike-over-iphone-5-demands/

http://www.offscreen.com/index.php/pages/essays/vertical\_topography/

http://schwarztech.net/articles/julie-nelsons-iphone-4s

http://www.dvdbeaver.com/film/DVDCompare7/metropolis2.htm

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