

Questions

- Homework
- Projects

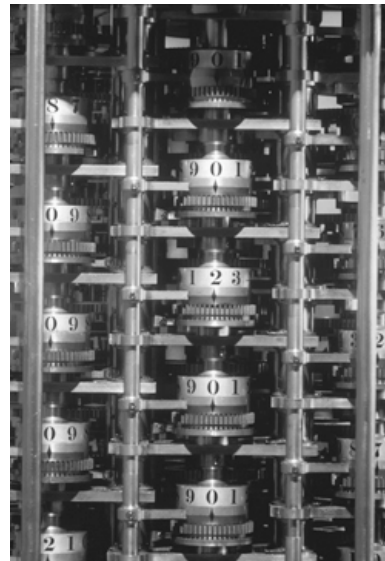
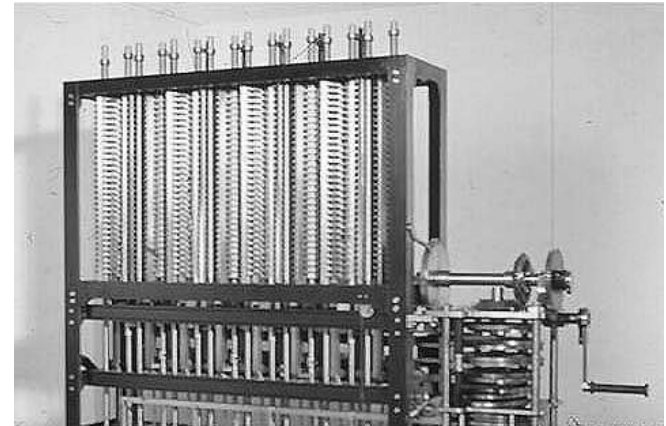
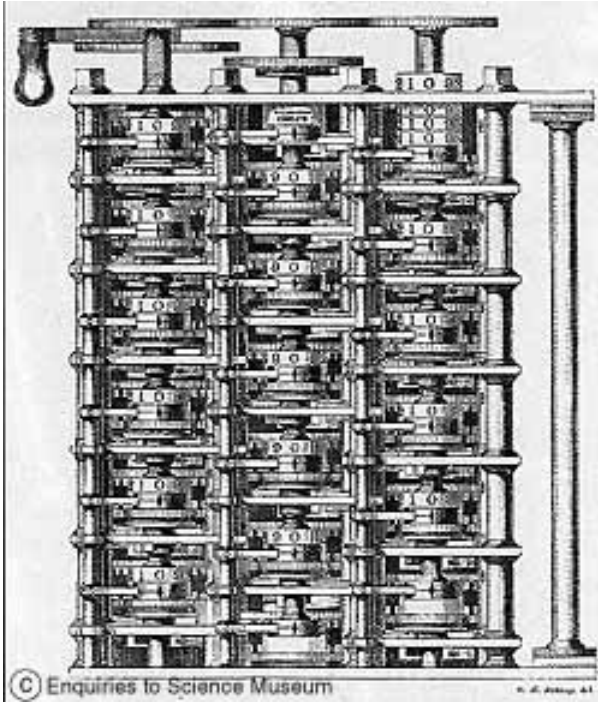
Early example: Astrolabe (Middle Age)

- Convenient interface to complex computation



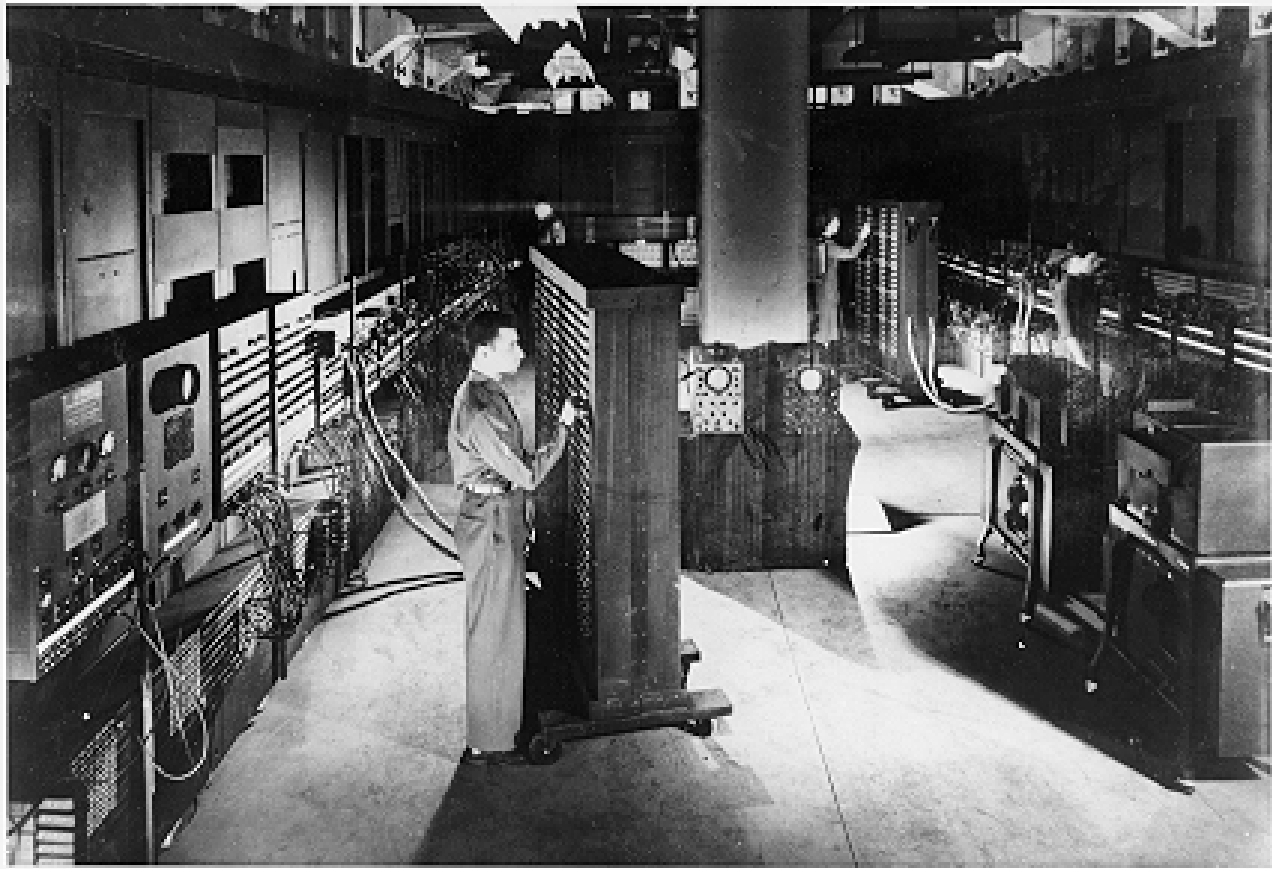
Babbage Difference engine (~1840)

- Original design
- Replica (British Museum)



ENIAC (1943)

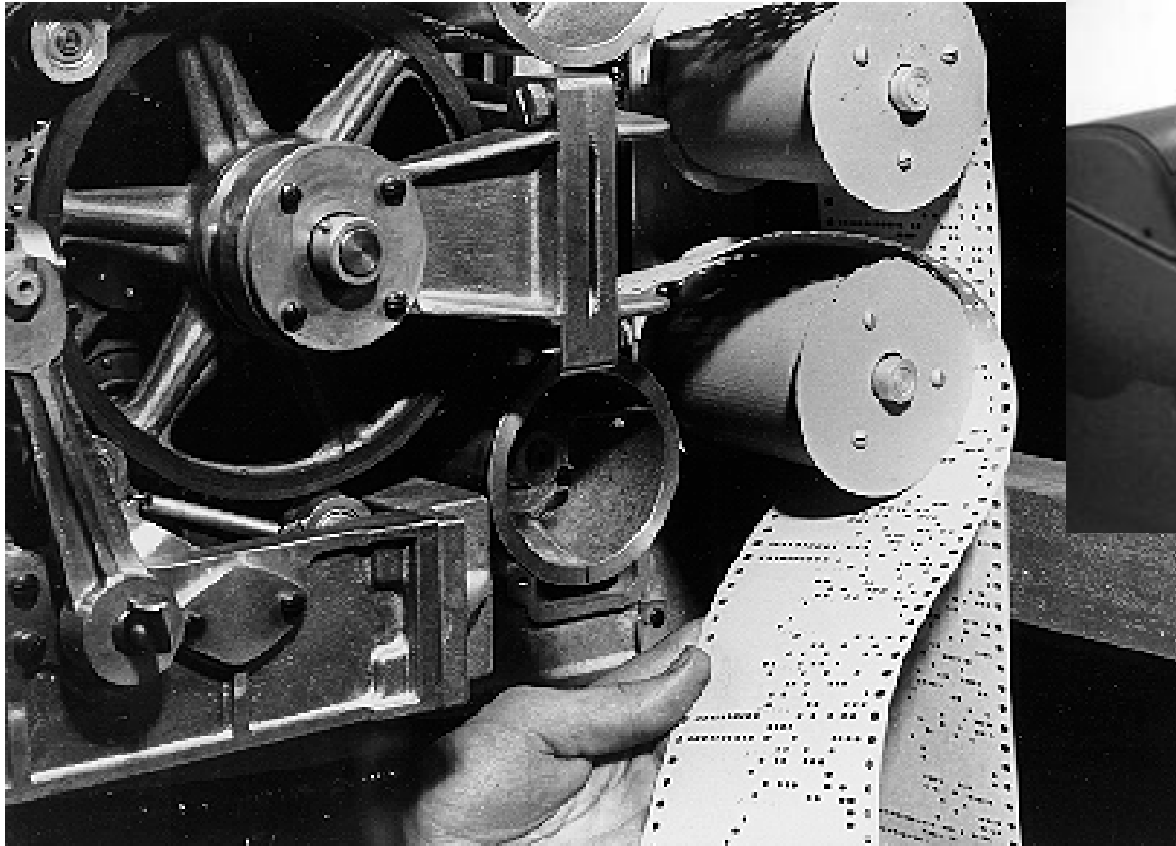
- A general view of the ENIAC, the world's first all electronic numerical integrator and computer.



From IBM Archives.

Mark I (1944)

- The Mark I paper tape readers.



Teletype circa 1969 (NWS)

From Harvard University Cruft Photo Laboratory.

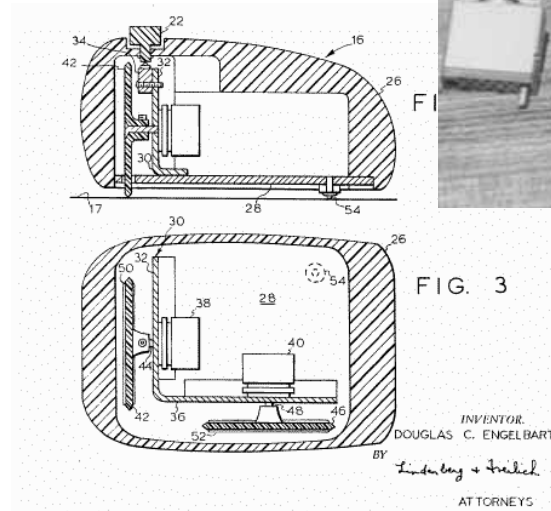
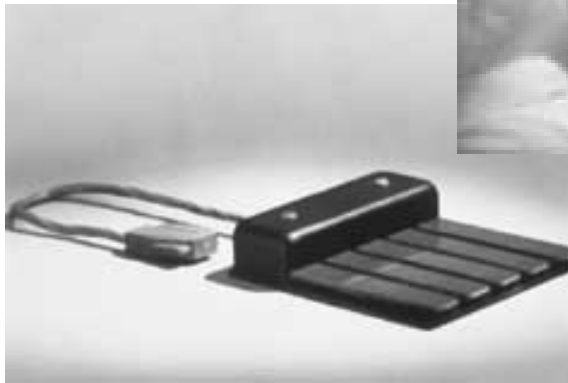
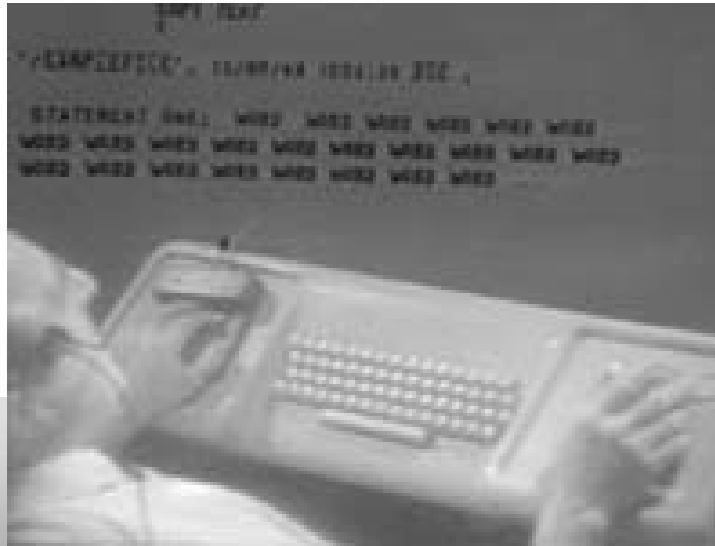
Sketchpad (1963?)

- Ivan E Sutherland's PhD thesis

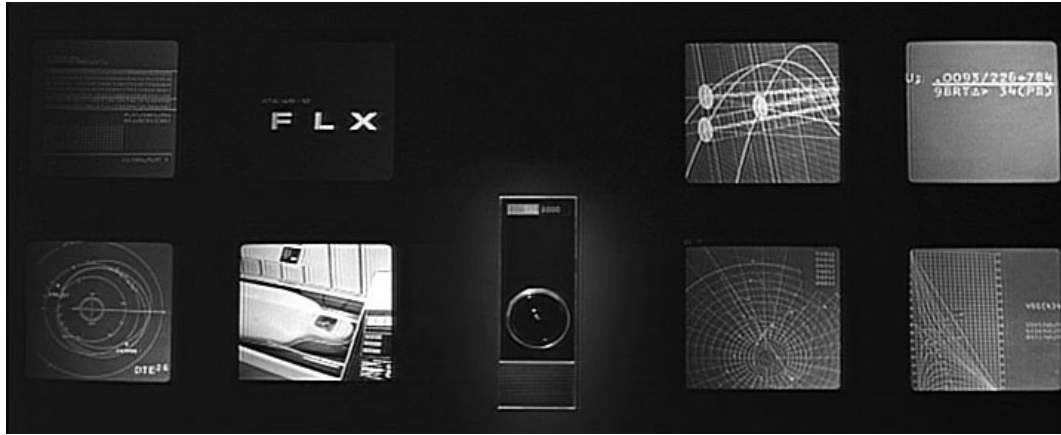


NLS (Engelbart 1968)

<http://sloan.stanford.edu/mousesite/1968Demo.html>



“2001: A Space Odyssey” (S. Kubrick, 1971)

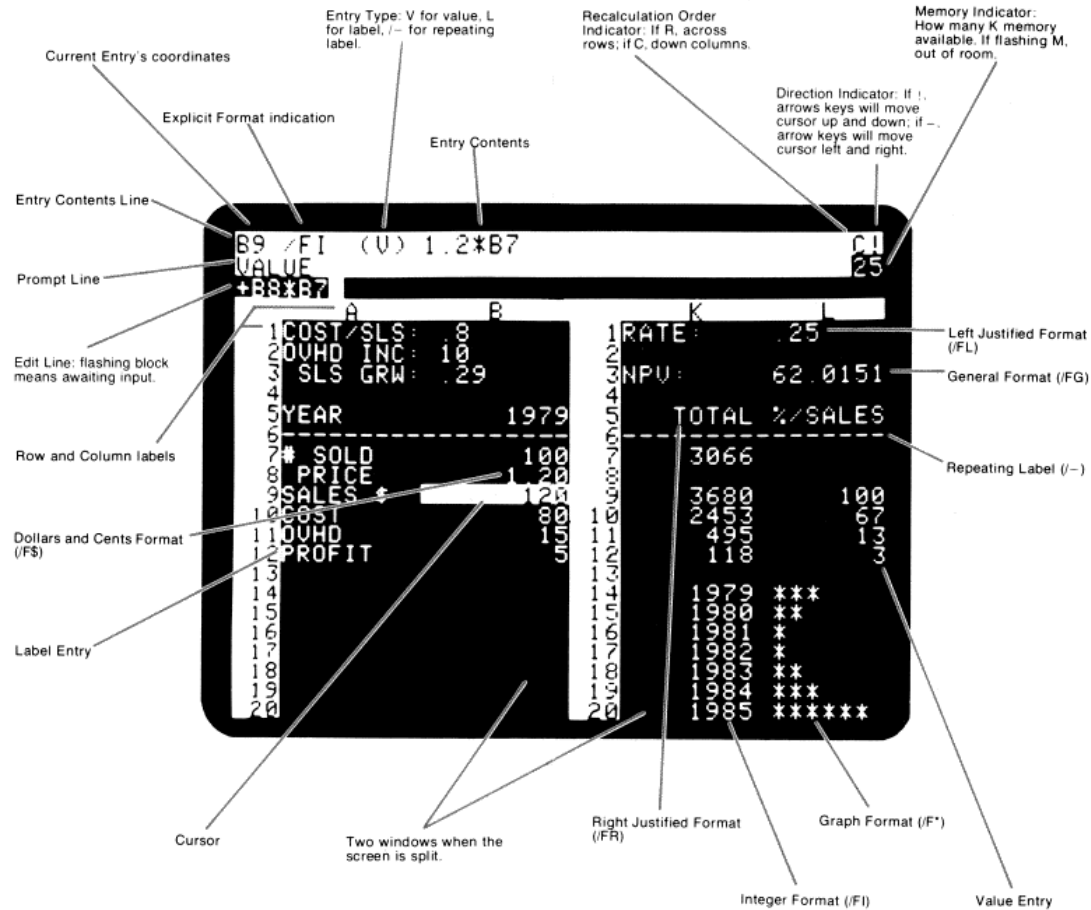


VisiCalc (D. Bricklin, 1979)

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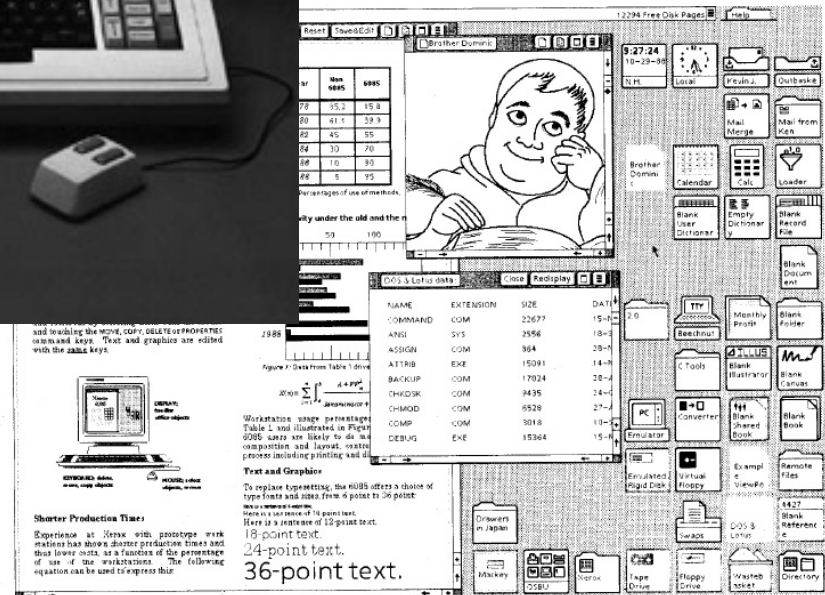
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A VISICALC™ Screen:



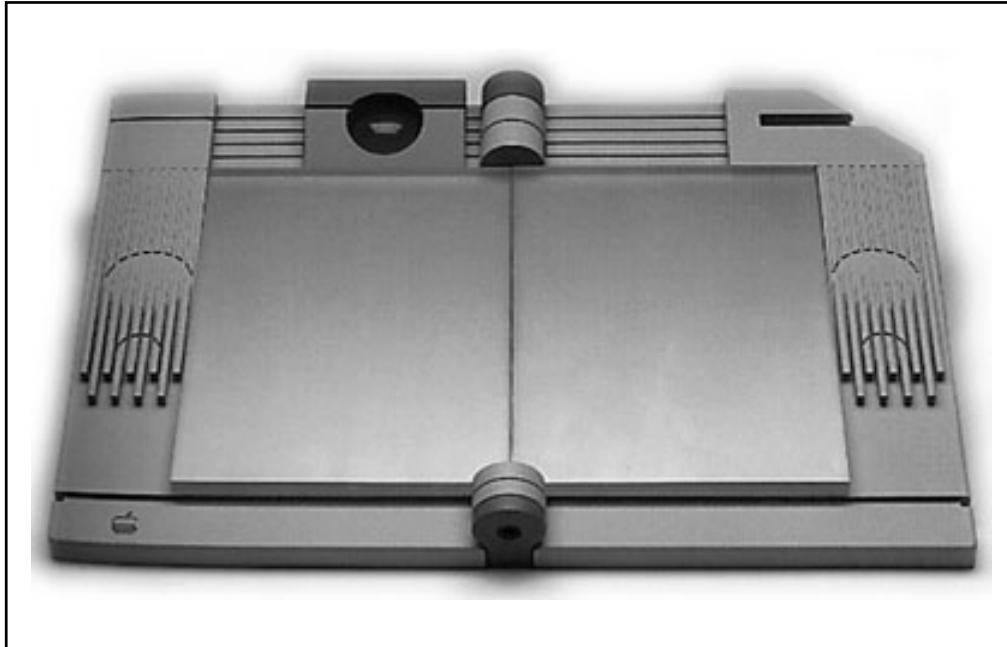
Star (1982)

- Xerox PARC



Knowledge Navigator (2010)

- Apple's vision in 1987



Star Fire (2004)

- Sun's vision in 1992



Connected Products (2010)

- IDEO vision in (2000)

