

Questions

- Project
- HW#2 due today

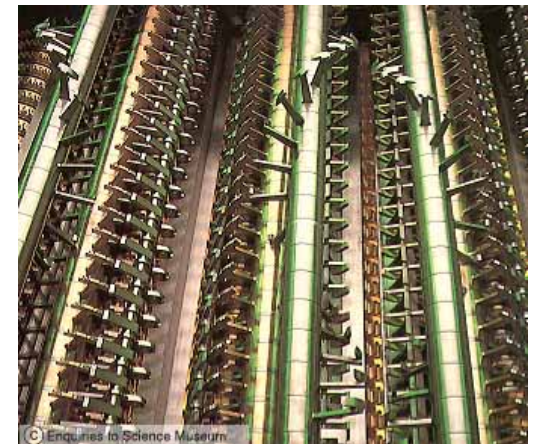
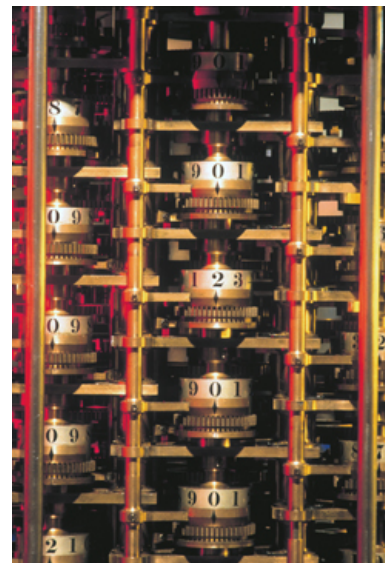
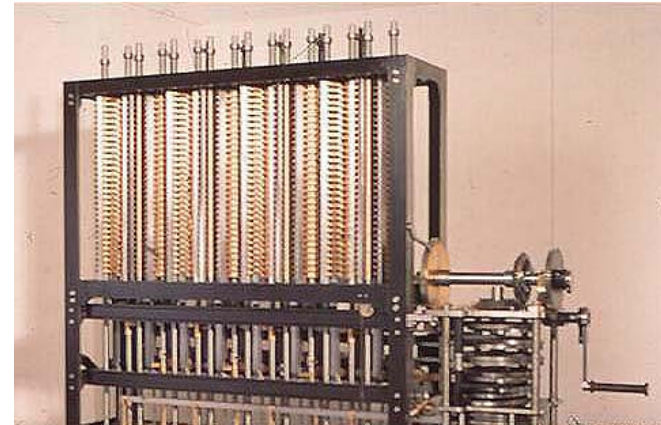
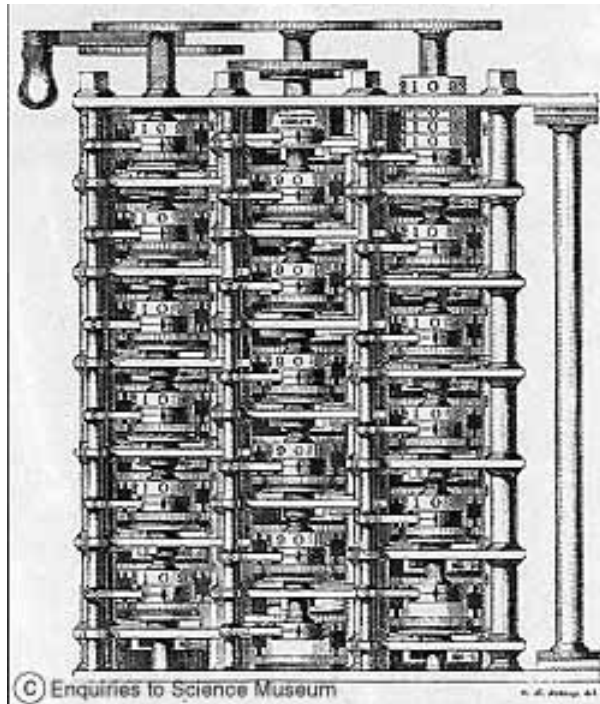
Early example: Astrolabe (Middle Age)

- Convenient interface to complex computation

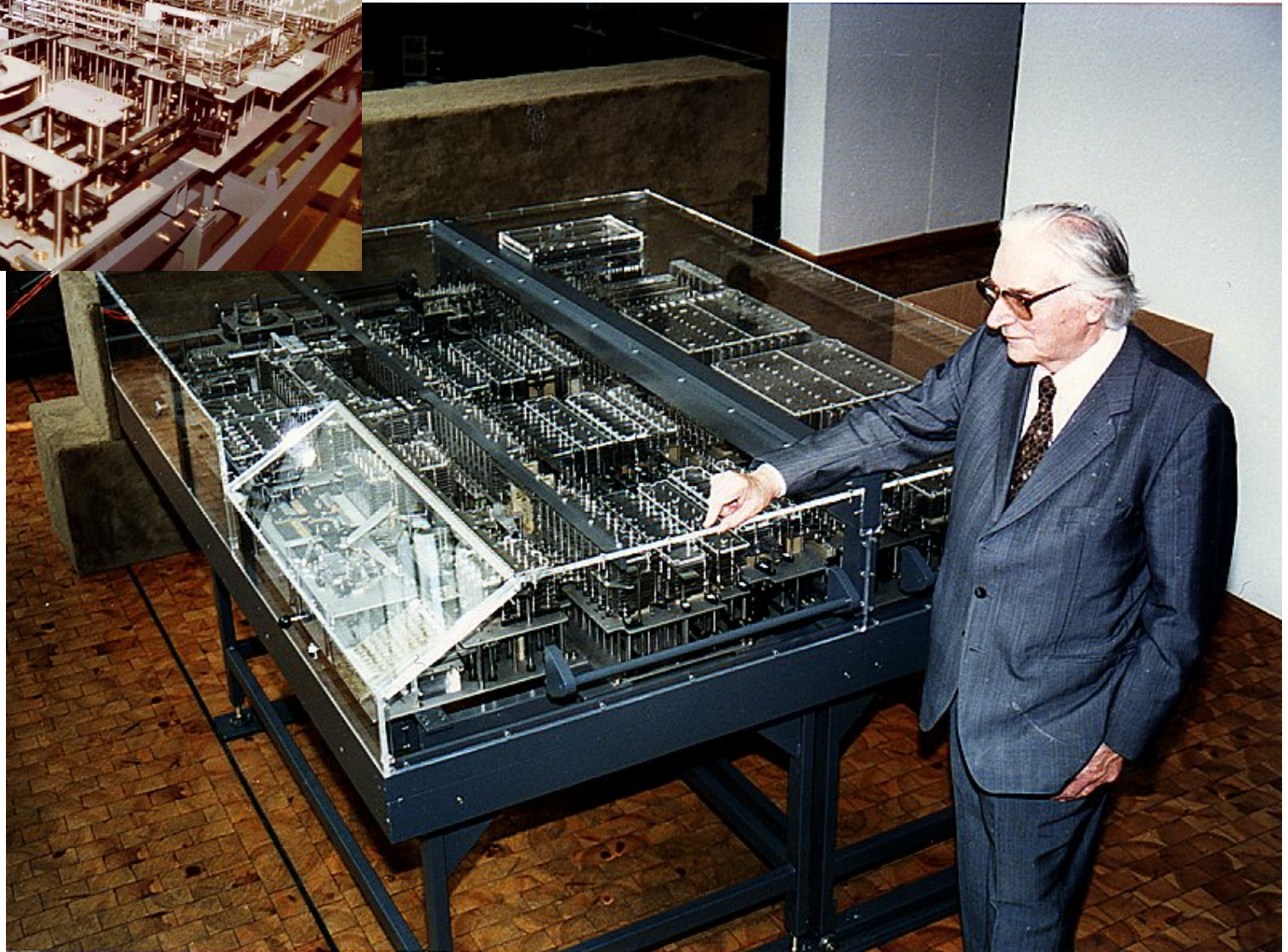
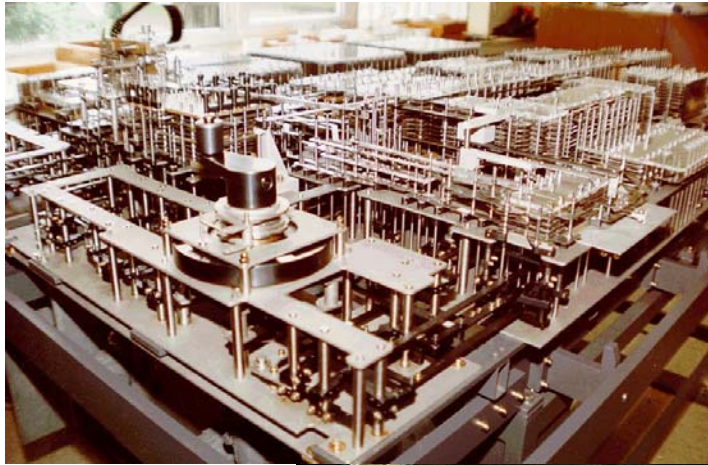


Babbage Difference Engine (~1840)

- Original design
- Replica (British Museum)

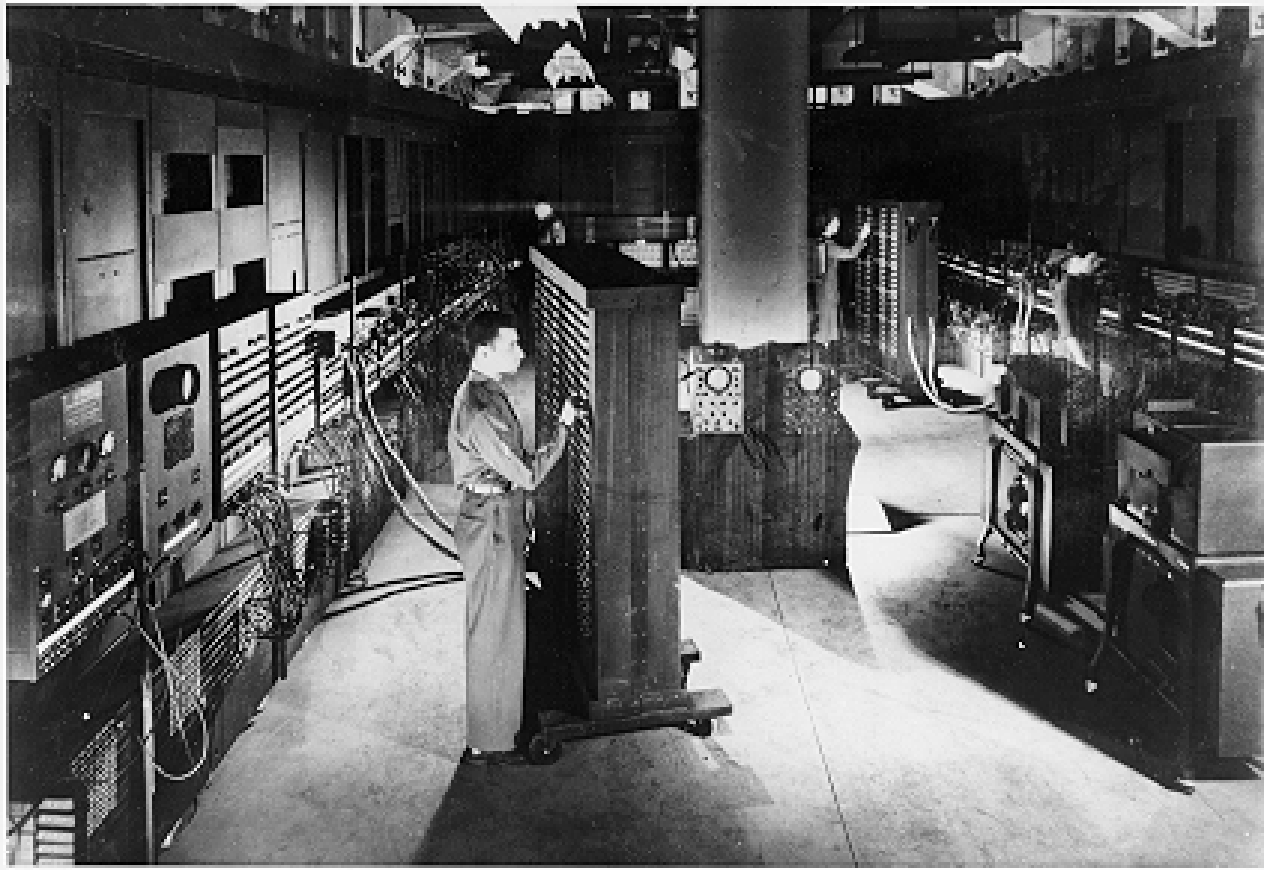


Z1(1936)



ENIAC (1943)

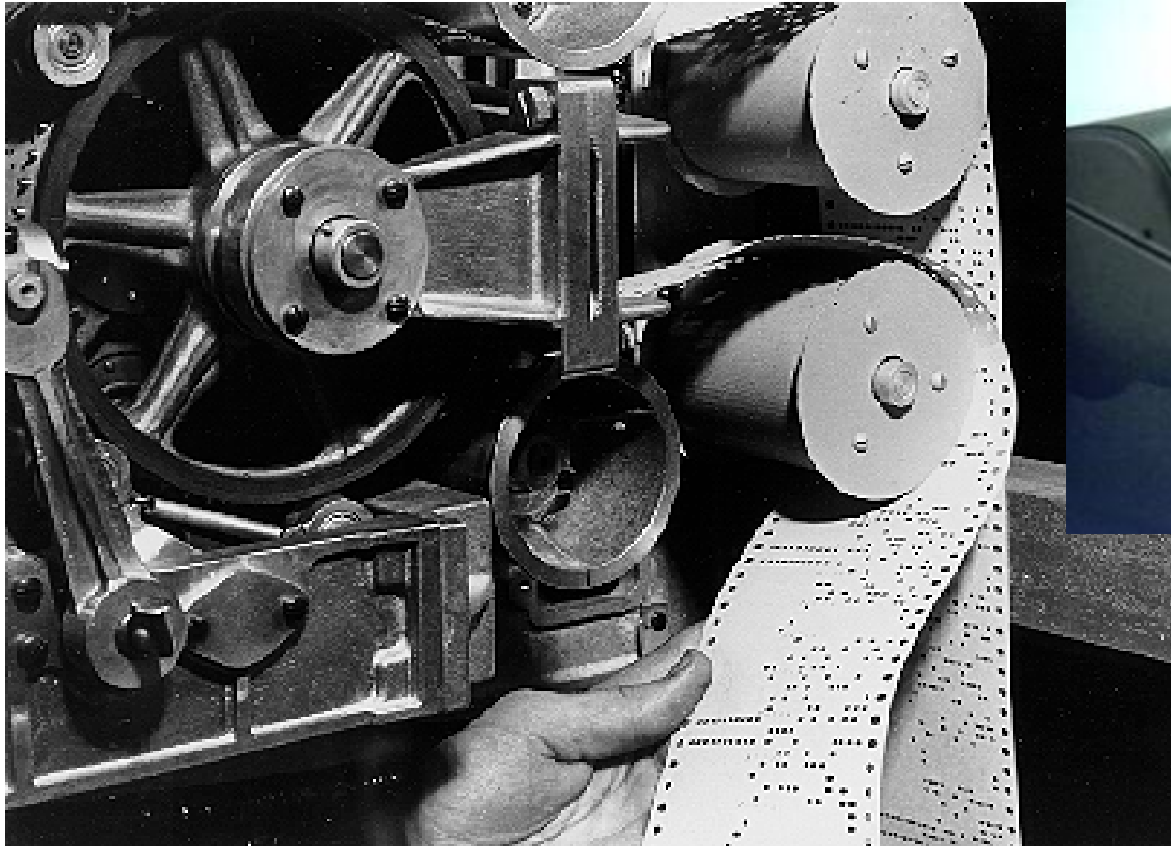
- A general view of the ENIAC, the world's first all electronic numerical integrator and computer.



From IBM Archives.

Mark I (1944)

- The Mark I paper tape readers.



From Harvard University Cruft Photo Laboratory.



Teletype circa 1969 (NWS)

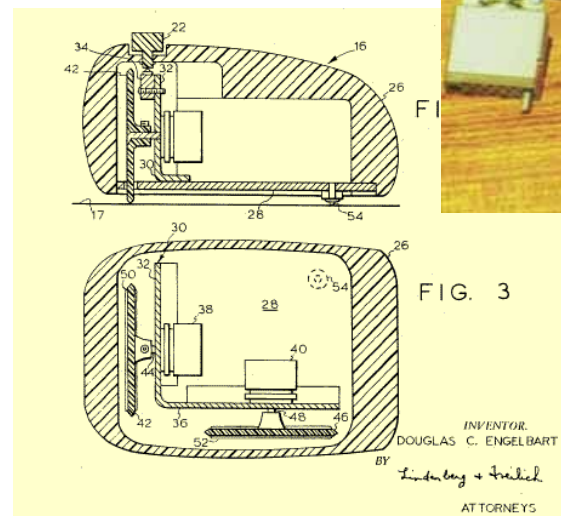
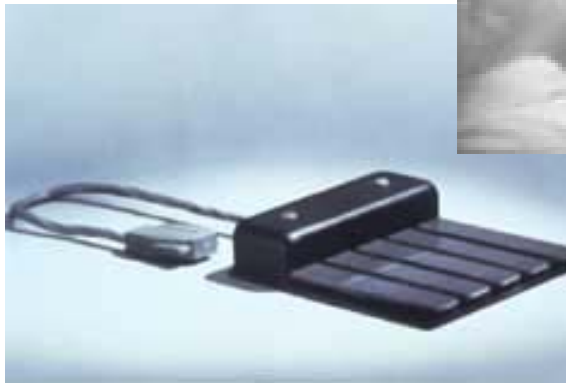
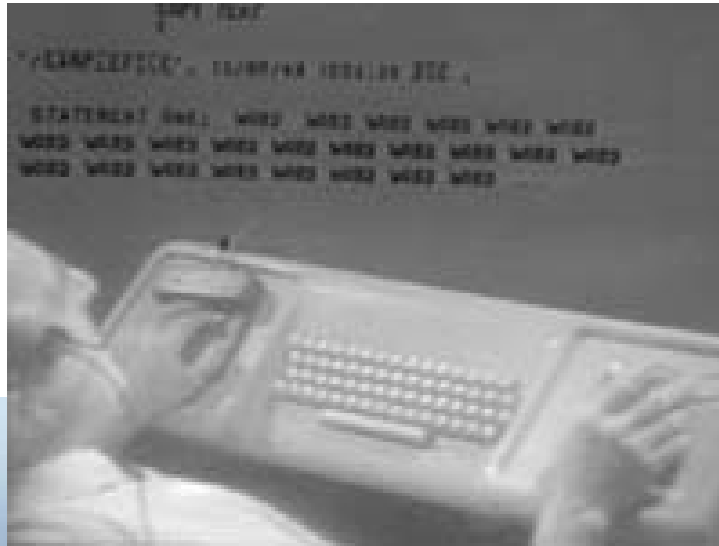
Sketchpad (1963?)

- Ivan E Sutherland's PhD thesis



NLS (Engelbart 1968)

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

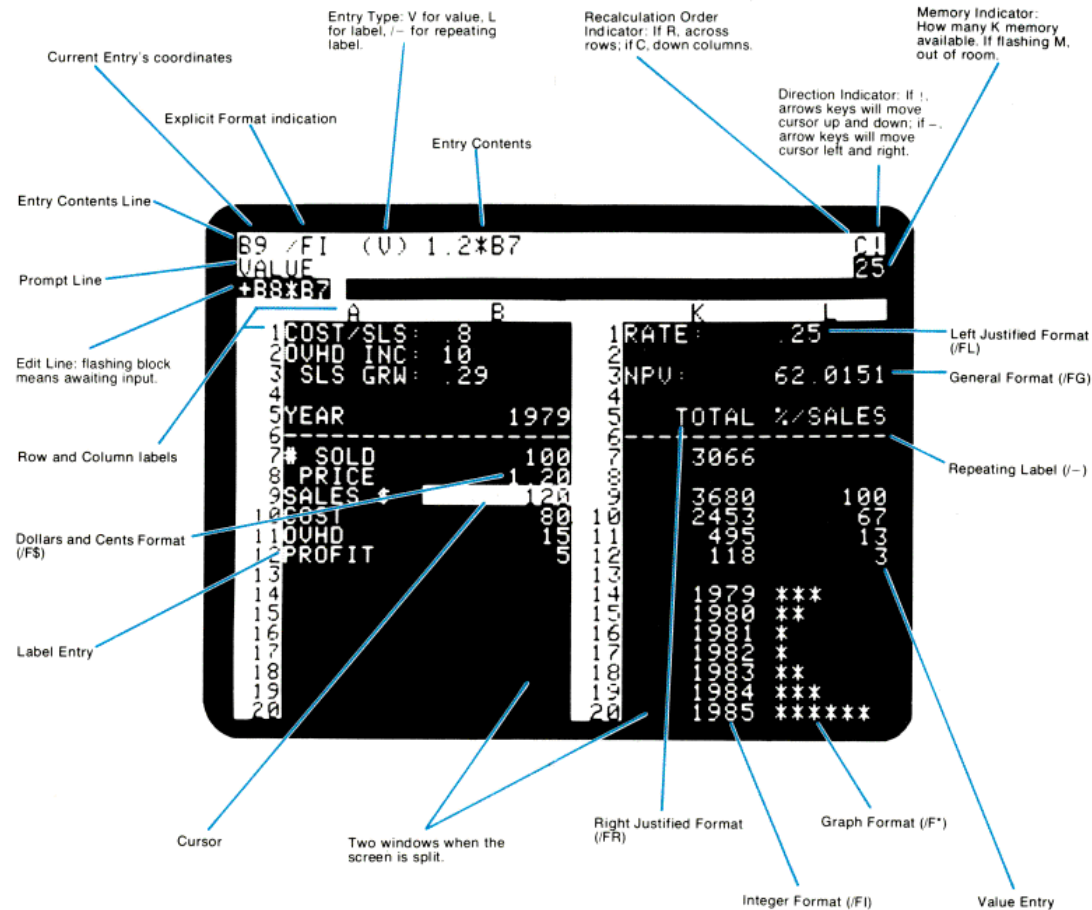


VisiCalc (D. Bricklin, 1979)

9

10

A VISICALC™ Screen:



Alto (mid-70's) & Star (1982)

- Xerox PARC



Alto



Star

