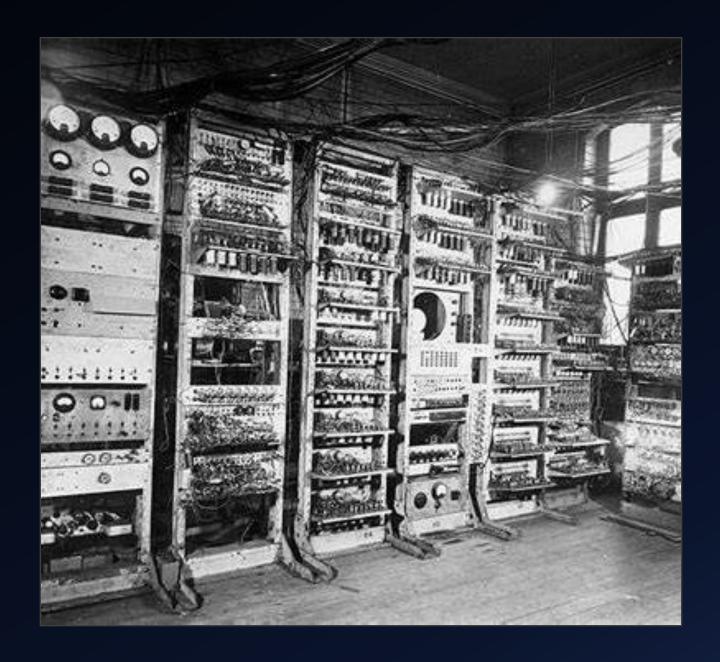
THE SMALL-SCALE EXPERIMENTAL MACHINE (SSEM) "THE BABY"

Joseph Hayes



History

- Built at the University of Manchester in 1948
- Created by Tom Kilburn, Geoff Tootill and Frederic Williams
- Was a prototype for two new technological ideas

Development and design

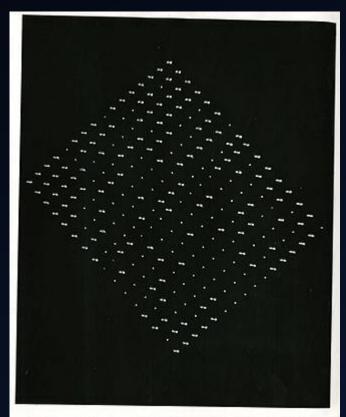
Computers always had to be reprogrammed

The SSEM used William CRT tubes

The worlds first RAM



William Cathode Ray tube



The information outputted

First program



- 21st June 1948, the first stored program was launched
- First program was to find the highest common factor of a number
- Took 53 minutes to find the correct answer

How it sets the groundwork for modern technology

 Confirmed that computers CAN have a memory

 Modern day RAMs still use "The principle of storing binary information"

 Lead to a more commercial machine in the Mark 1

