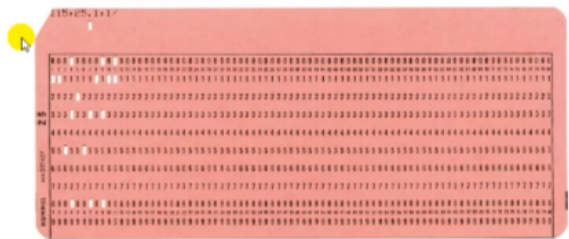


Plugboard



Punched card



Enigma

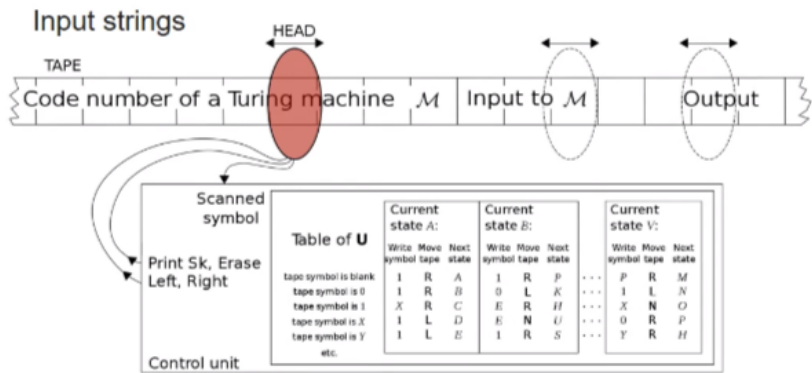


ENIAC

<https://en.wikipedia.org/wiki/Plugboard>



앨런 튜링 Alan Turing aged 16



Universal Turing machine (UTM)

Born 23 June 1912  
Maida Vale, London, England  
Died 7 June 1954 (aged 41)  
Wilmslow, Cheshire, England





폰 노이만 John von Neumann in the 1940s

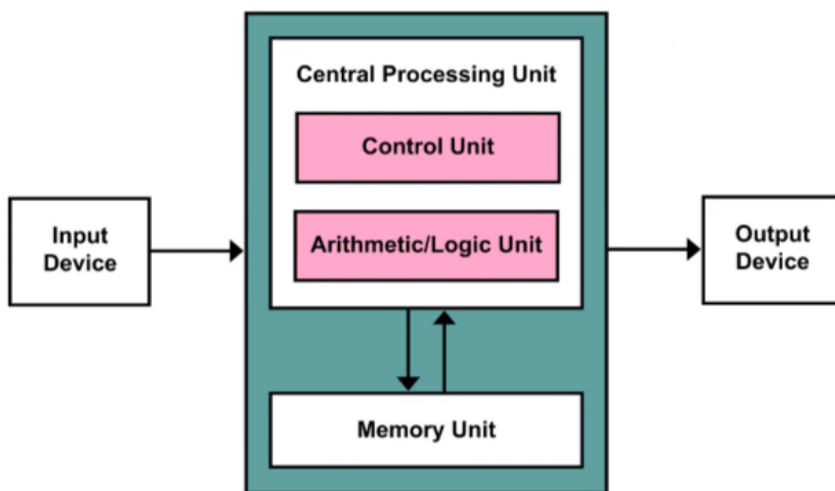
Born Neumann János Lajos  
December 28, 1903  
Budapest, Austria-Hungary  
Died February 8, 1957 (aged 53)  
Washington, D.C., U.S.



The Trinity test of the Manhattan Project was the first detonation of a nuclear weapon.

## 내장형 프로그램 방식의 컴퓨터

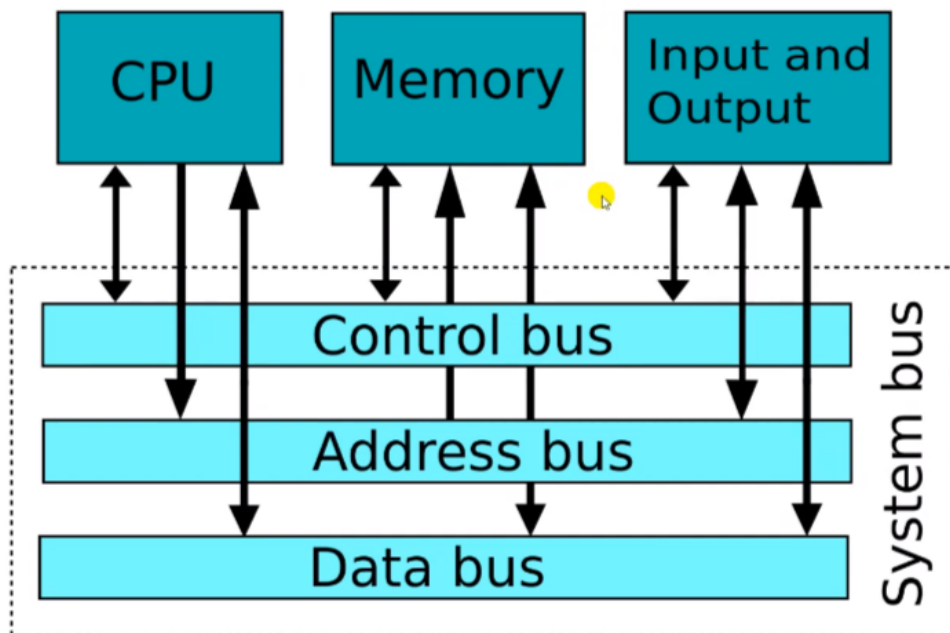
### Stored-program computer



폰 노이만 구조  
von Neumann Architecture



Eckert-Mauchly Computer Corporation (EMCC) Employees



Example of a single system computer bus

In [computer architecture](#), a **bus**<sup>[1]</sup> (a contraction of the Latin [omnibus](#)) is a communication system that transfers data between components inside a [computer](#), or between computers.