

The Von Neumann Model

Basic Components

A **computer program** consists of a set of instructions, each specifying a well defined piece of work for the computer to carry out. The **instruction** is the smallest piece of work specified in a computer program.

Theorem 0.1

The **von Neumann model** consists of 5 parts:

1. Memory
2. Processing Unit
3. Input
4. Output
5. Control Unit

Memory

A typical memory