Chapter 1

Electronic Computers
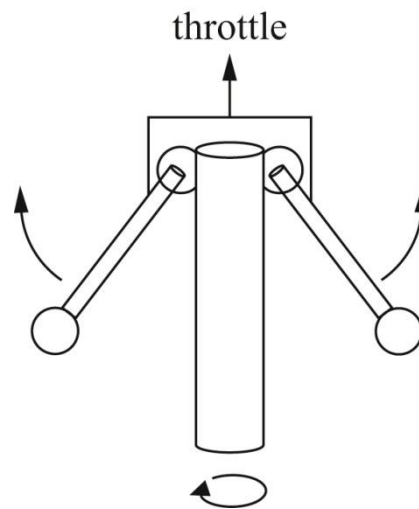
Figure 1.1: A mechanical governor.
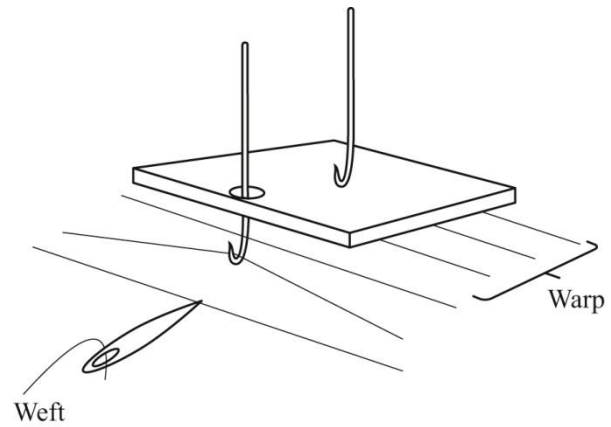
Figure 1.2: Operation of a Jacquard loom.
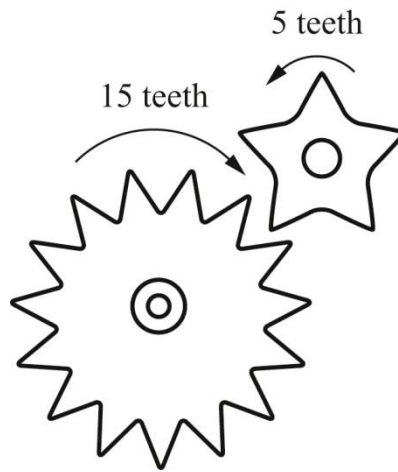
Figure 1.3: Using gears to count.

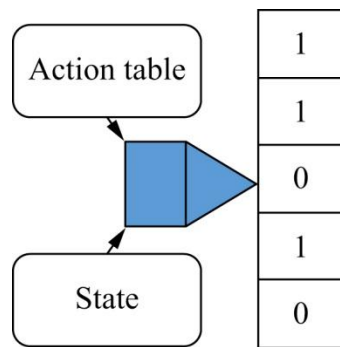| a	b	AND(a,b)
0	0	0
0	1	0
1	0	0
1	1	1

Figure 1.4: A Boolean truth table.

Figure 1.5: Organization of a Turing machine.

Figure 1.6: The Atanasoff-Berry computer.

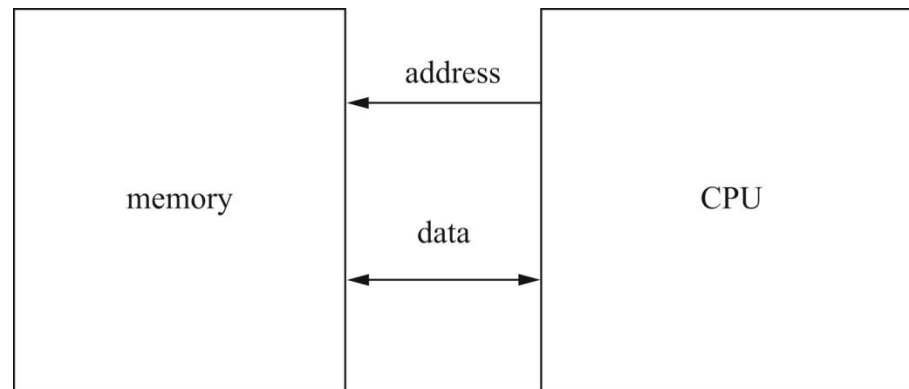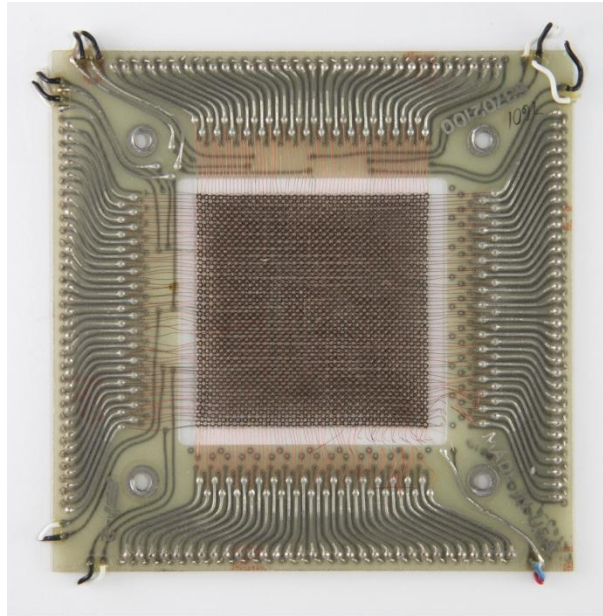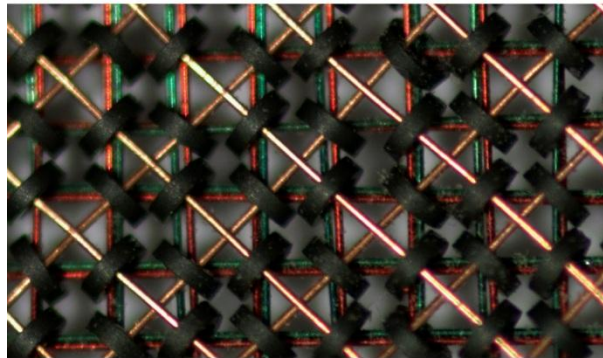**Figure 1.7:** Organization of a von Neumann machine

Core memory module

Detail

Figure 1.8: A core memory..

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Figure 1.9: An analog music synthesizer.