| | Computer | Human Brain |
|---|---|---|
| Computational units | 1 CPU, $10^5$ gates | $10^{11}$ neurons |
| Storage units | $10^9$ bits RAM, $10^{10}$ bits disk | $10^{11}$ neurons, $10^{14}$ synapses |
| Cycle time | $10^{-8}$ sec | $10^{-3}$ sec |
| Bandwidth | $10^9$ bits/sec | $10^{14}$ bits/sec |
| Neuron updates/sec | $10^5$ | $10^{14}$ |