

$$\frac{\text{time}}{\text{program}} = \frac{\text{instructions}}{\text{program}} \times \frac{\text{cycles}}{\text{instruction}} \times \frac{\text{time}}{\text{cycle}}$$

Programs contain a small number of complex instructions. Facilitated in CISC with microcode.

Programs contain a large number of simple instructions. Facilitated in RISC with load/store architecture.

Pipelining.