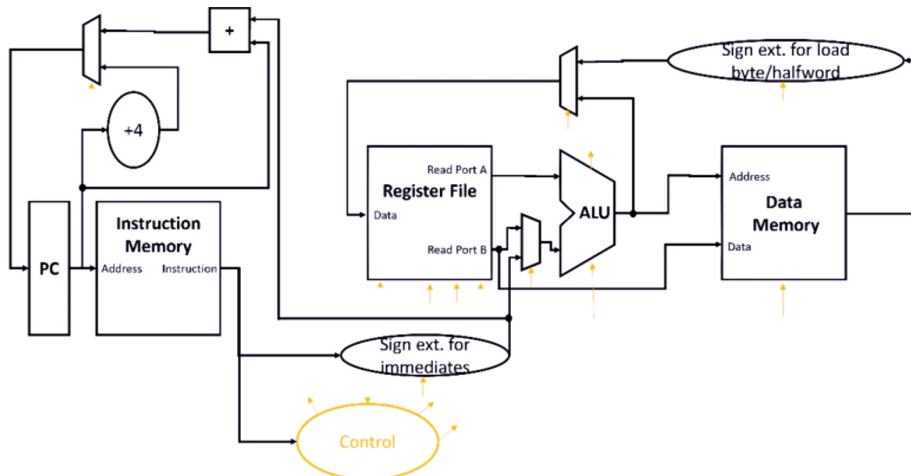Overview

-
- each instruction takes one cycle to execute
    - maximum [[Clock Frequency]] defined by slowest instruction

Performance

- goal to maximise instruction executions per time
- determined by
    - clock cycles per instruction CPI
    - [[Clock Frequency]], cycles per second
- program with N instruction takes $N * CPI * (1/f)$