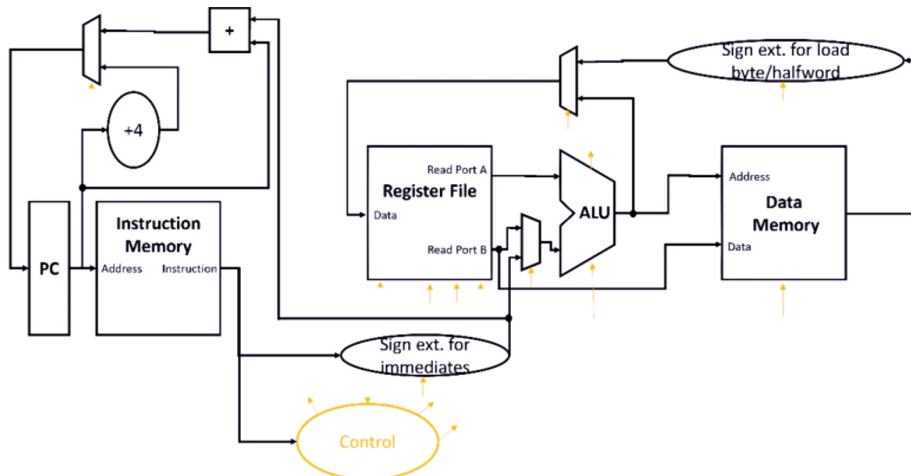


## Overview



- 
- 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  $N * CPI * (1/f)$