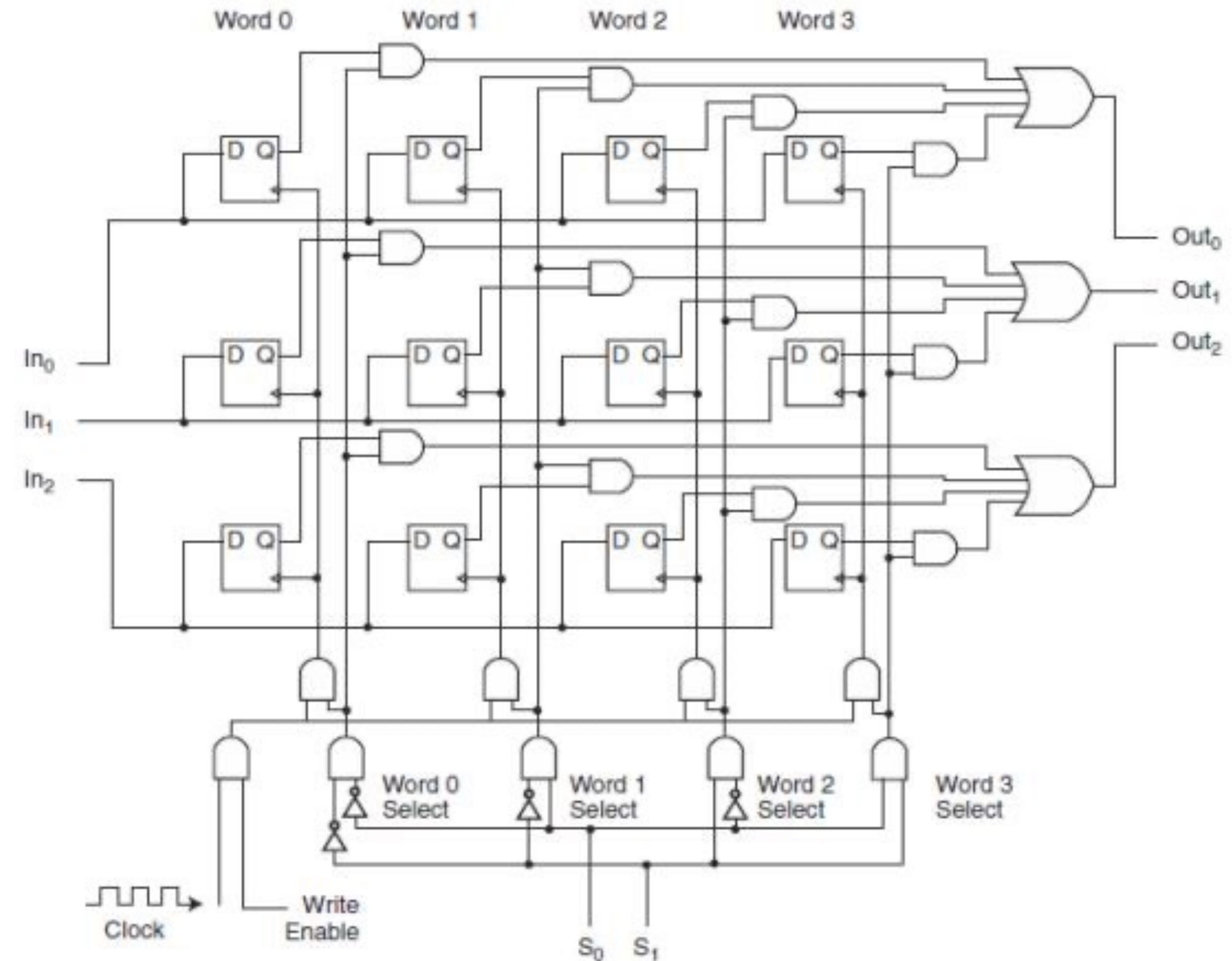


# Memory from flip-flops

- Can put multiple flip-flops together with some circuitry to store multiple bits
- Many, many flip-flops (or similar constructs, like D-latches) in a typical computer's memory unit
- Can use bits as input to select the memory location to display



# RAM

- RAM: Random Access Memory
- Means that the amount of time it takes to access a piece of memory in the device is roughly the same regardless of where it is stored
- Think of this as a simple function:
  - **getData(address) → data**
  - Returns data given a memory "address" that dictates where in RAM to look