

VA: A5B6D7E8F901 ^{12-bit PO}

1010 0101 1011 0110 1101 0111 1110 1000 1111

1 4 13

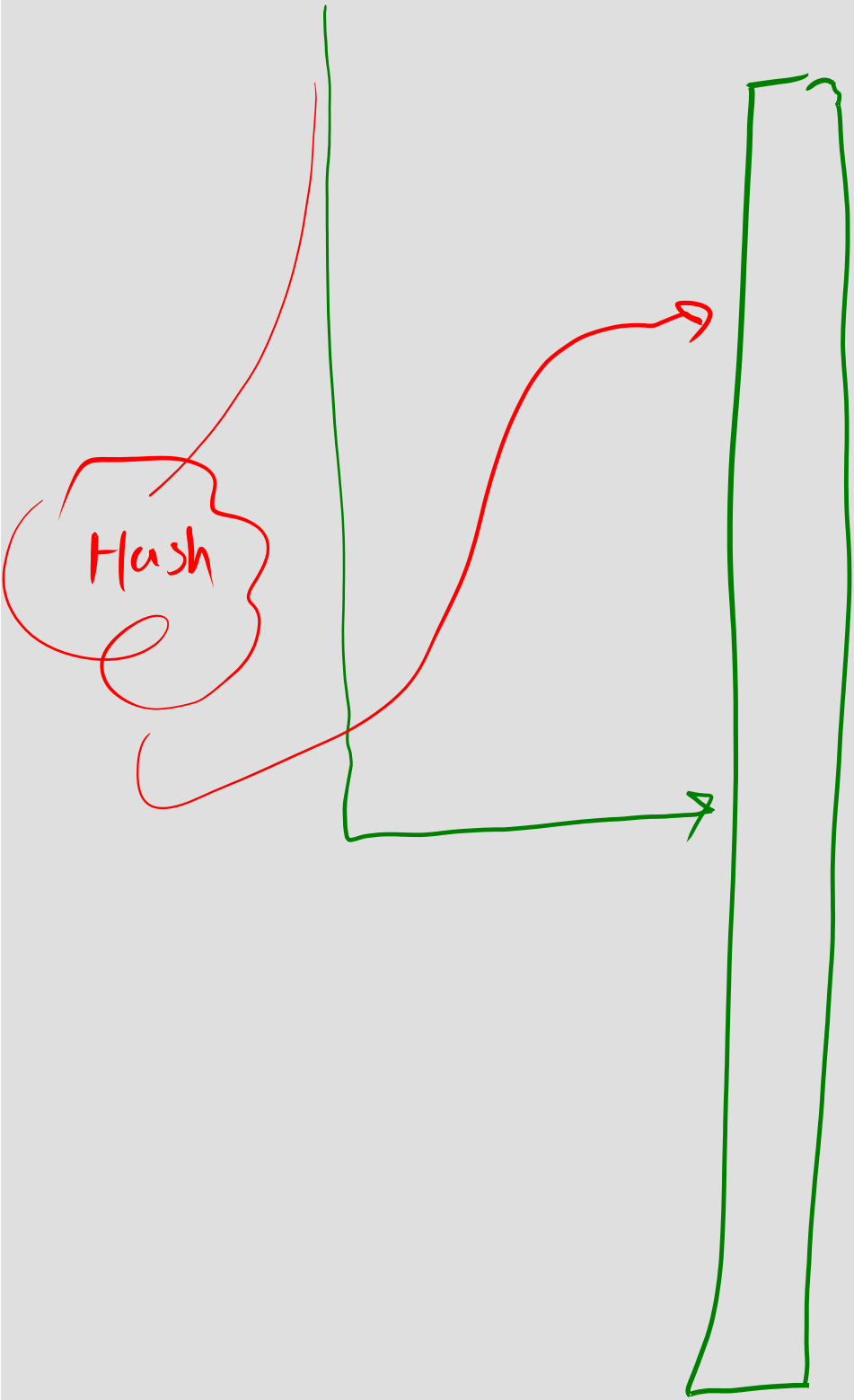
VPN₁

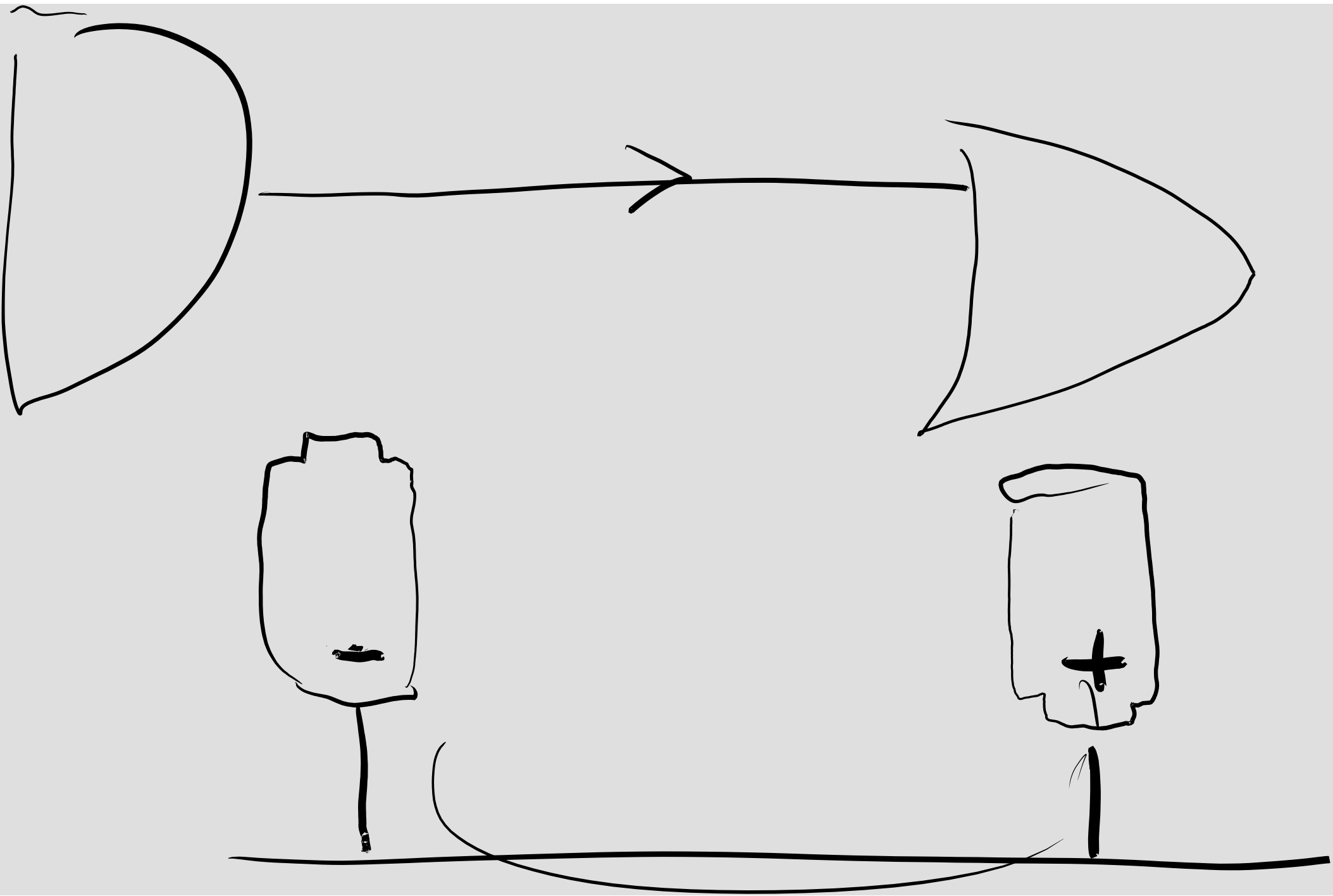
$x[i]$

$x + (i * \overset{8}{\text{sizeof}}(\overset{\text{PTE}}{\text{element}}))$

VPN

Hash

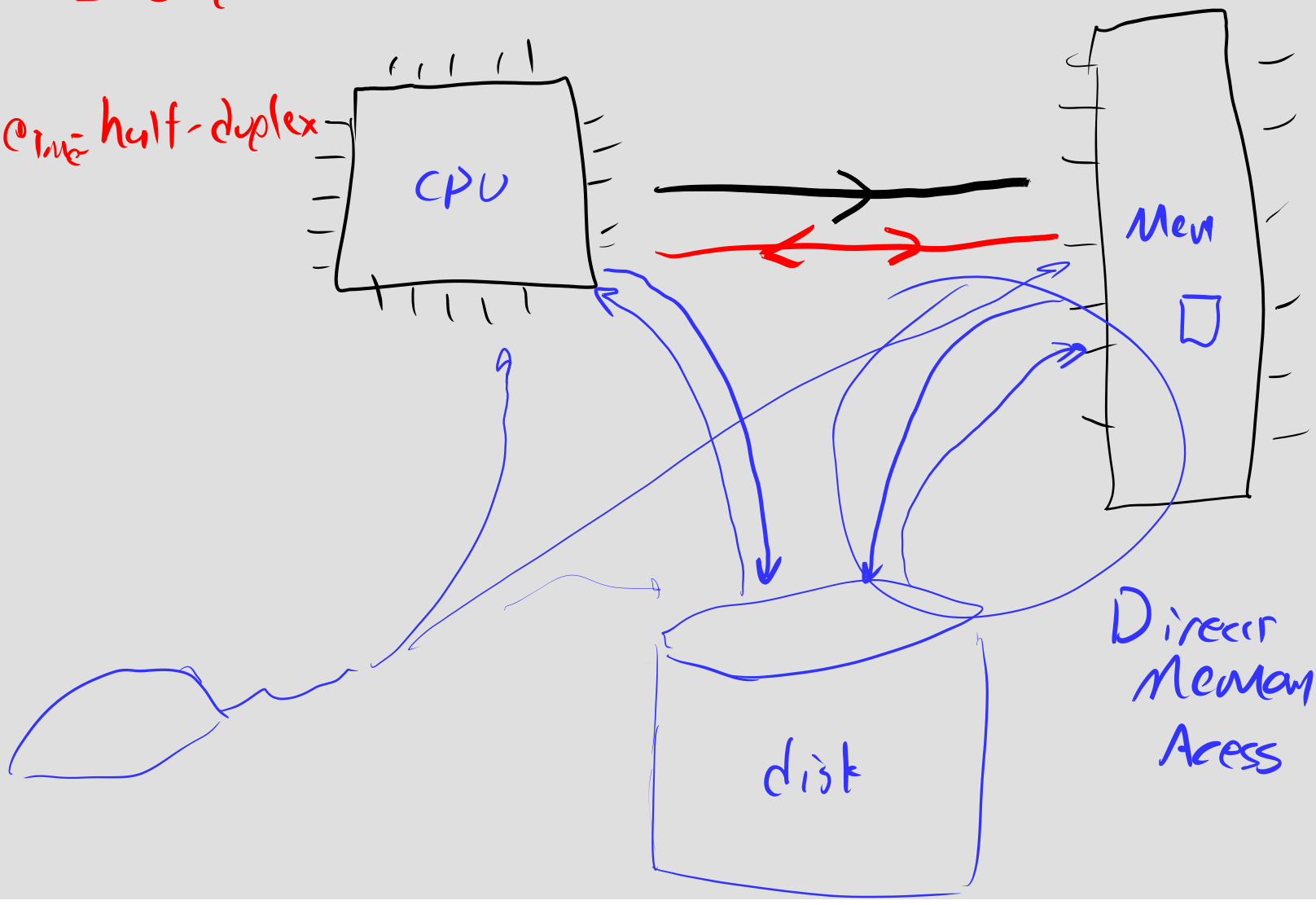




1-dir = simplex

2-dir = duplex

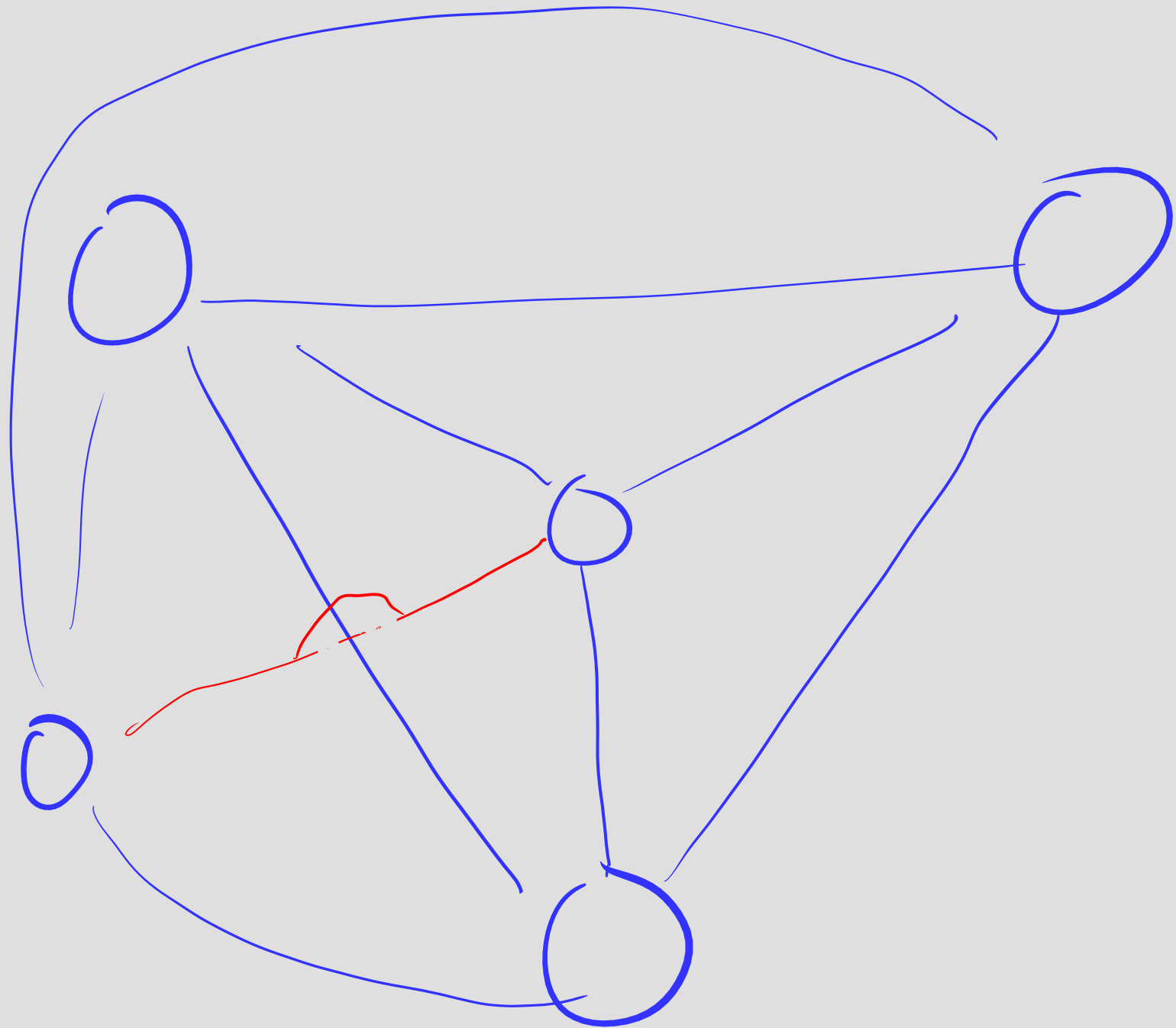
2-dir, 1-way = half-duplex



Direct
Memory
Access

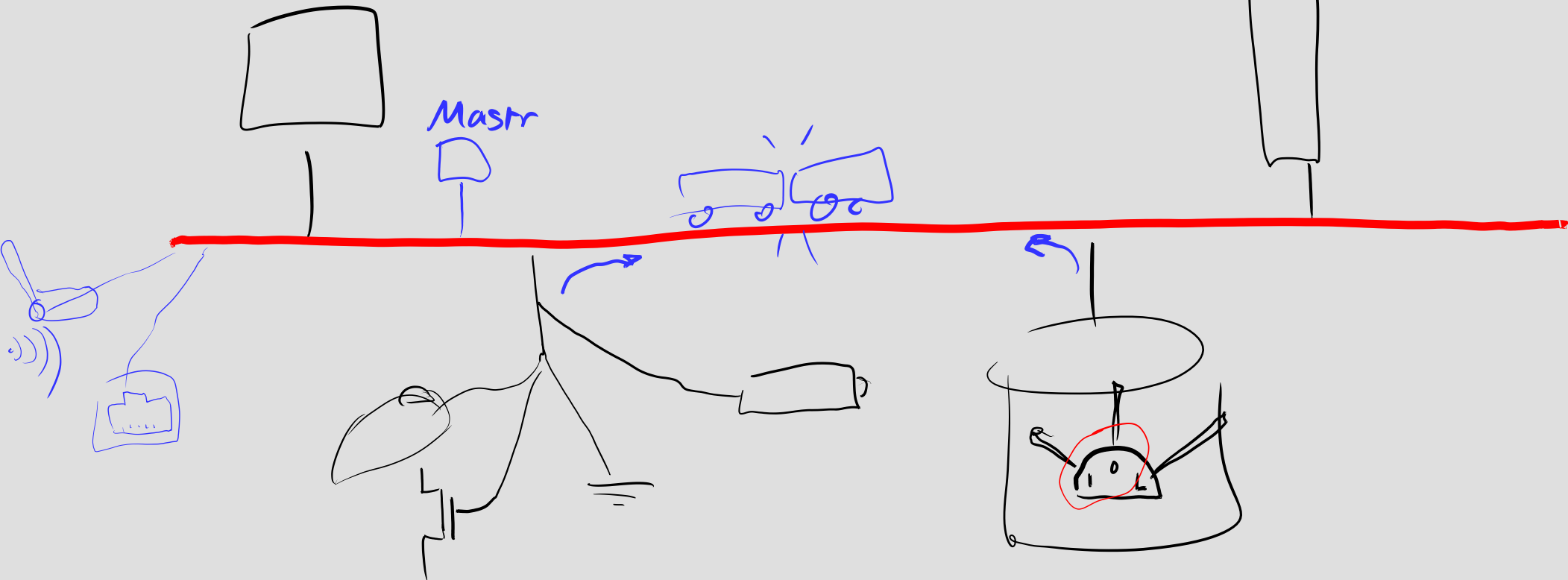
DMA

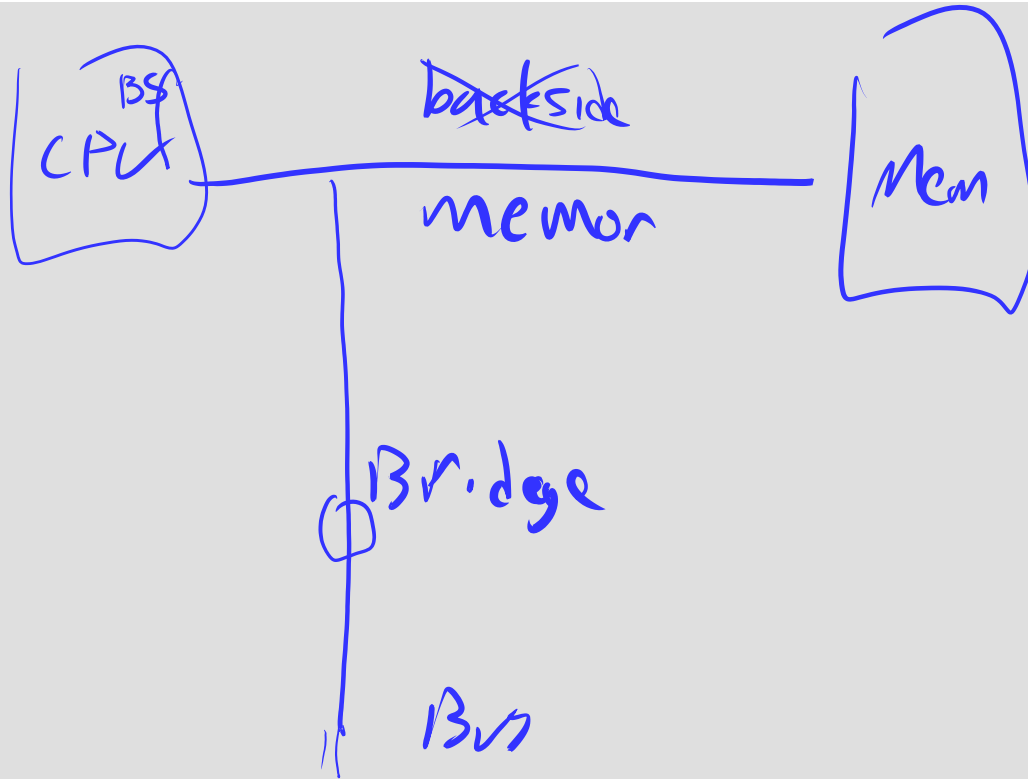
Network
web



Protocol

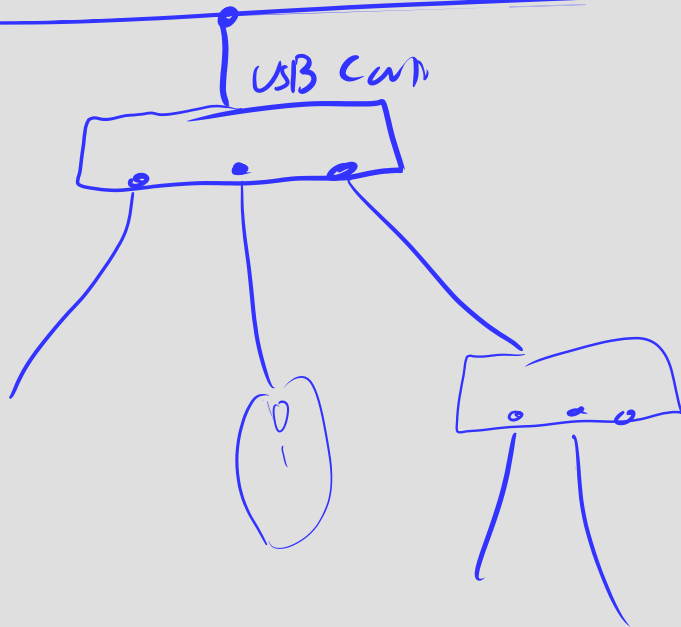
The bus
half-duplex @ scale





Frontside
PCI_e

PCI Bus



Topology

