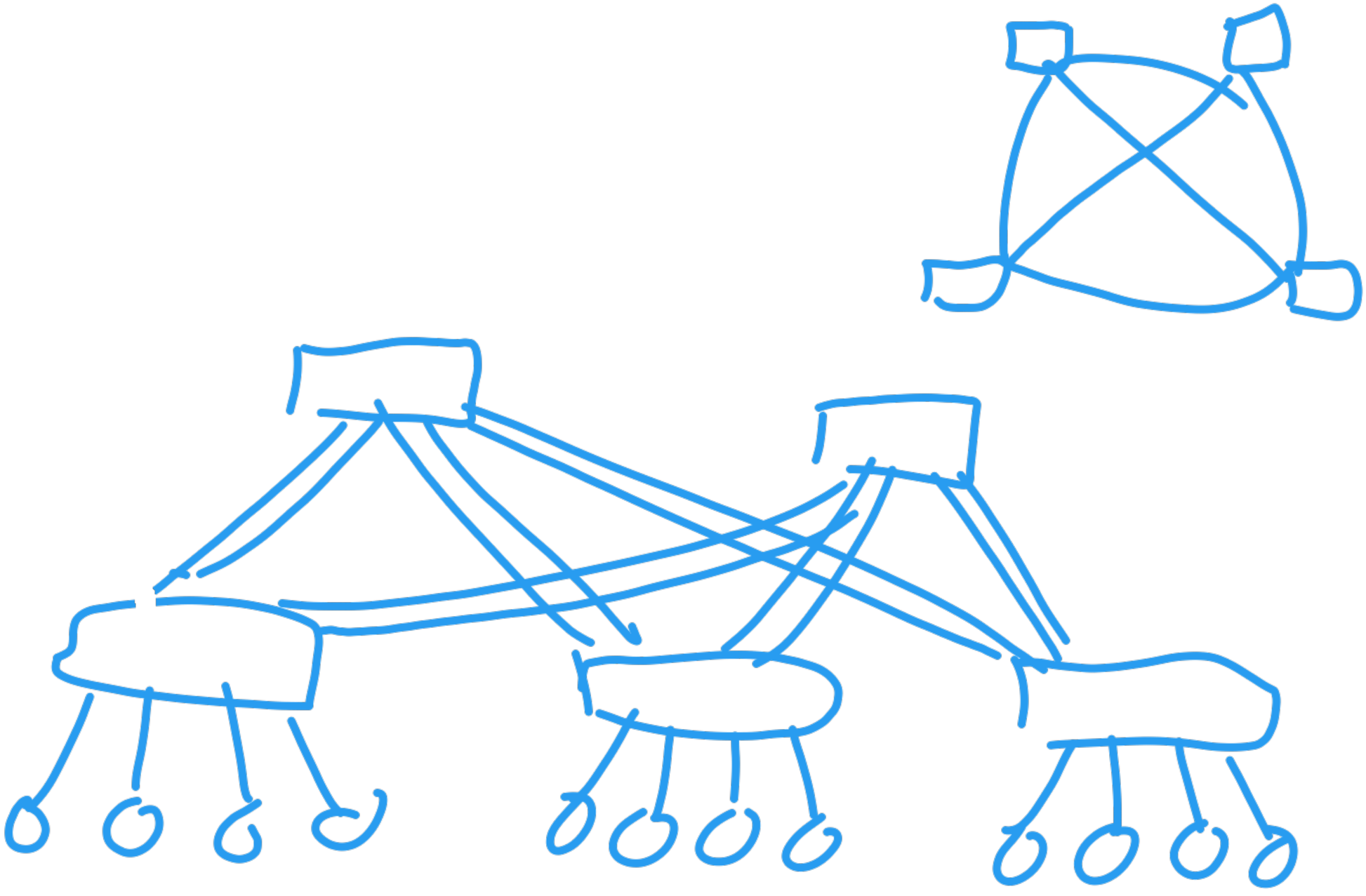
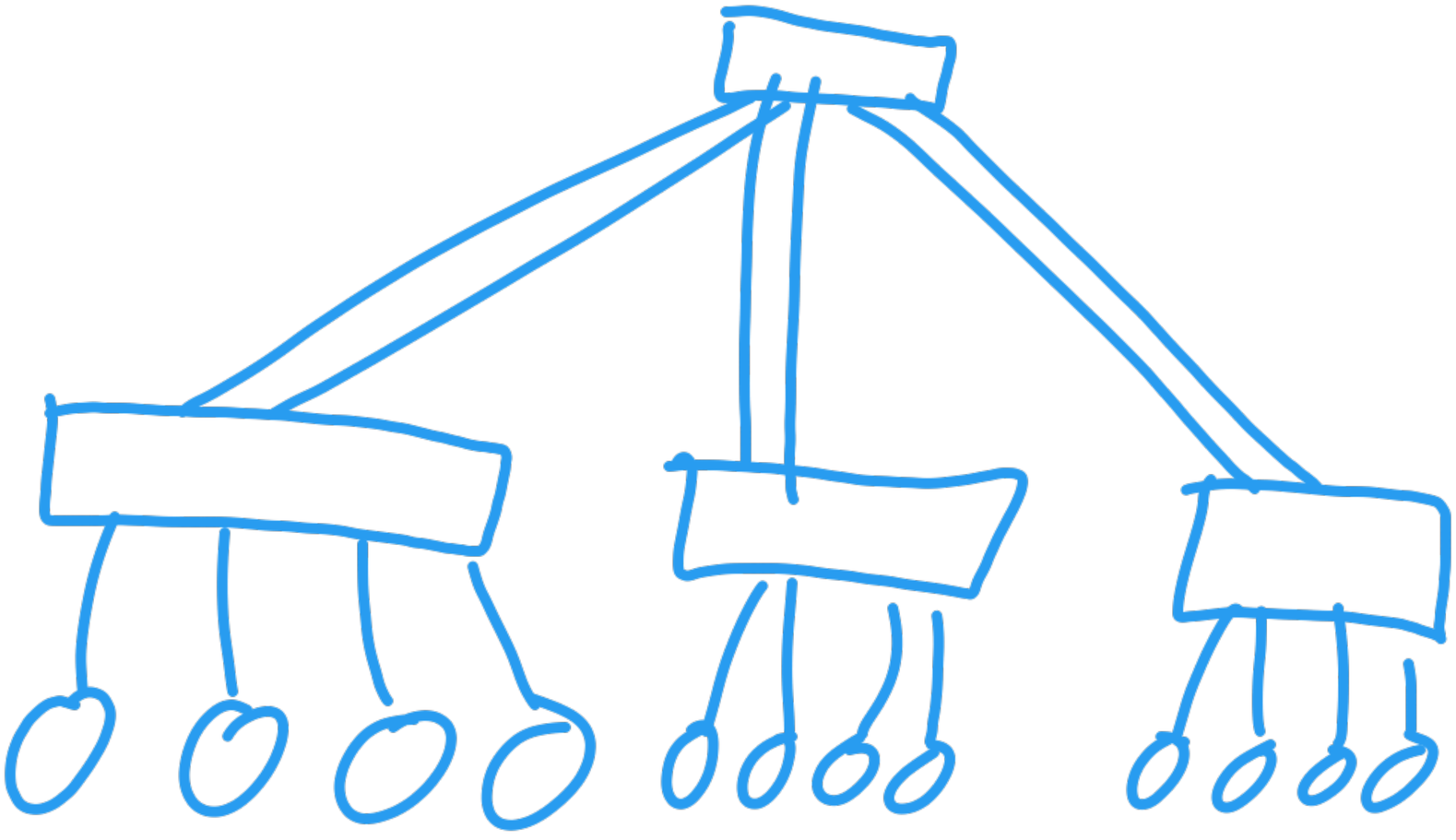
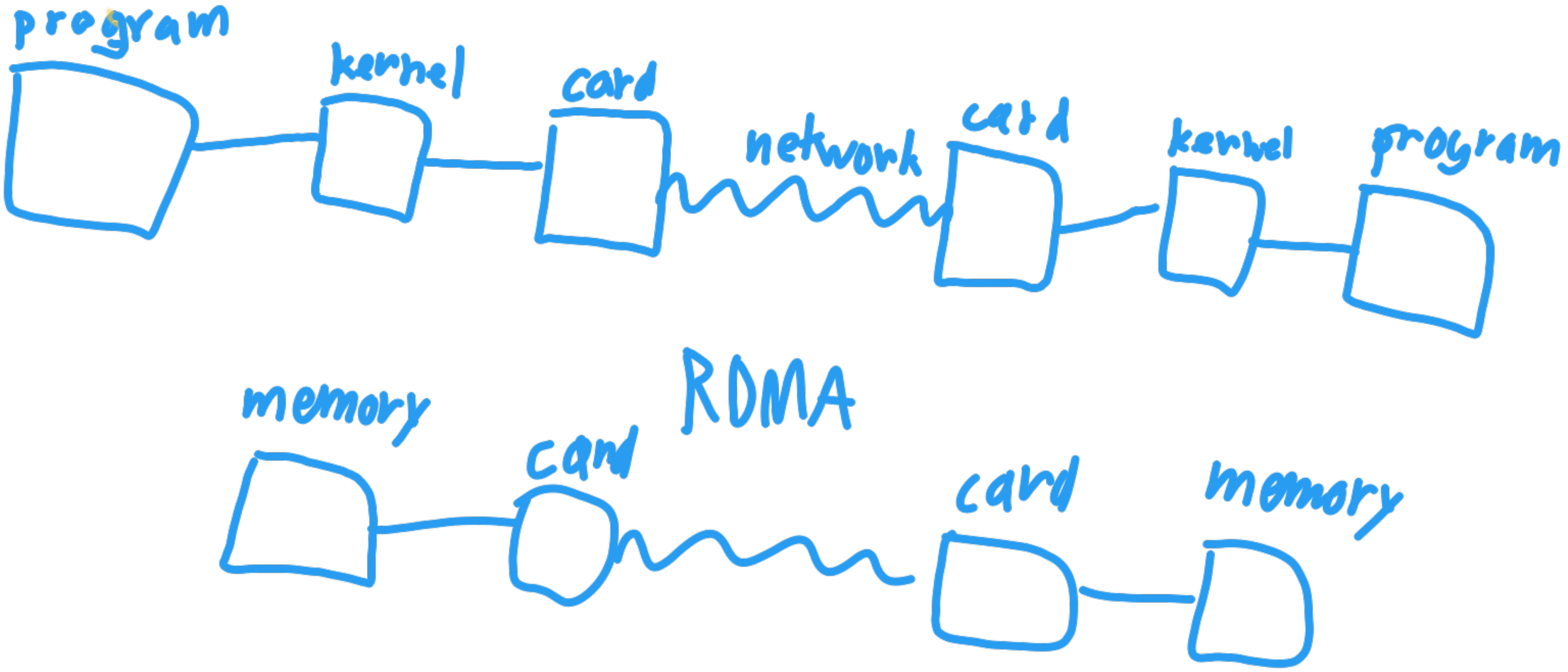
ethernet
wifi
cellular (several)
infiniband
bluetooth
LoRaWAN
CANBus
SCSI
I²C
RS-485
Aries
Slingshot
BXI
Omni-Path (OPA)
NVLINK
Ultra Ethernet






program
kernel
card
network
card
kernel
program

RDMA
memory
card
card
memory

36 ports per switch 120 nodes

Non-blocking

Leaf 120 ports → 240 → 7 switches } 11 switche
120 ports

spine 120 ports → 4 switches

17 x 25k 295k
120 x 2k 240k
120 x 0,5k 60k
575k

Blocking Factor 5

Leaf 120 ports → 144 → 4 switches } 7
24 ports
24 ports → 1 switch

Spine

5x25k=125k
60x0,5k=60k
24x2 =48k
233k

7x25k=175k
120x0,5k=60k
60x2k=120
355k

206 Gbit/s

25 GB/s

8b: 3.125.000.000

ID: 8b + 20b - 28b → 992.857.142 → 7.136 MB/s → 57.1 Gbit/s

RoCEv2: 8b + 66b = 74b → 337.837.837 → 2496 MB/s → 21.5 Gbit/s

128 → 960 MB/s → 7.68 Gbit/s

Pw: HPCSA.admin