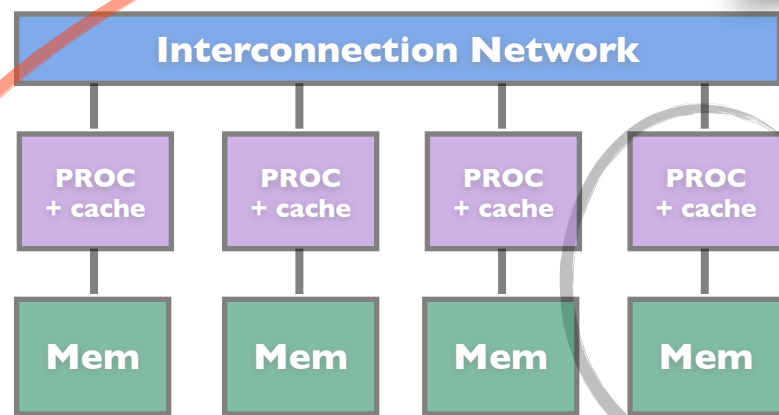


Distributed Memory

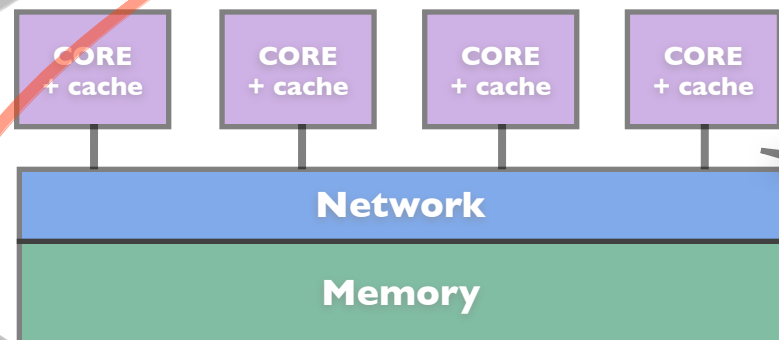


Data Parallelism:
Focus on who owns what data and what communication is needed

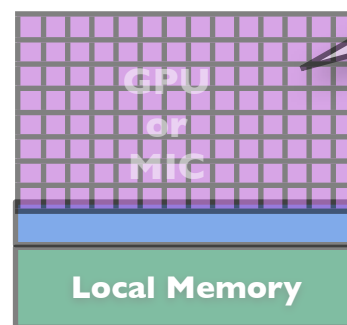
MPI,
Sockets

Rmpi,
pbdMPI, 
Sockets

Shared Memory



Co-Processor



GPU: Graphical Processing Unit
MIC: Many Integrated Core

Simple Task Parallelism:
Same Task on Block of data

CUDA,
OpenCL

OpenCL


OpenMP

Task Parallelism:
Focus on who does what task

OpenMP,
Threads,
fork

multicore,
fork 