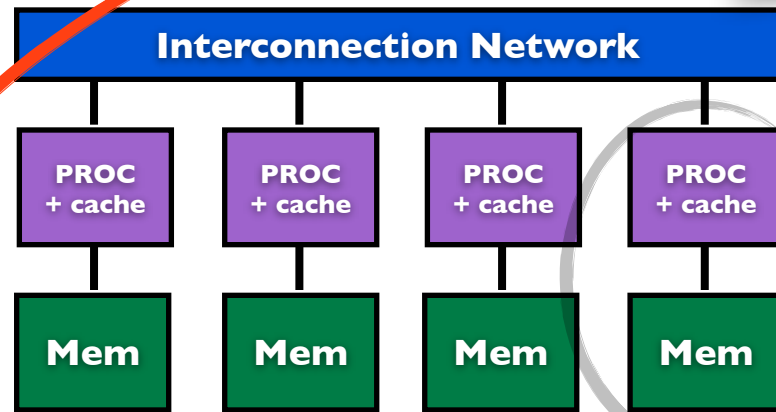


Distributed Memory



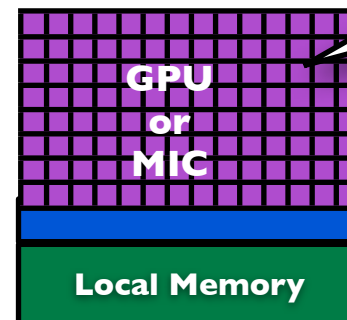
Data Parallelism:
Focus on who owns what data and what communication is needed

MPI,
Sockets

mpir, pbdMPI, Sockets

Simple Task Parallelism:
Same Task on Block of data

Co-Processor



GPU: Graphical Processing Unit

MIC: Many Integrated Core

CUDA,
OpenCL

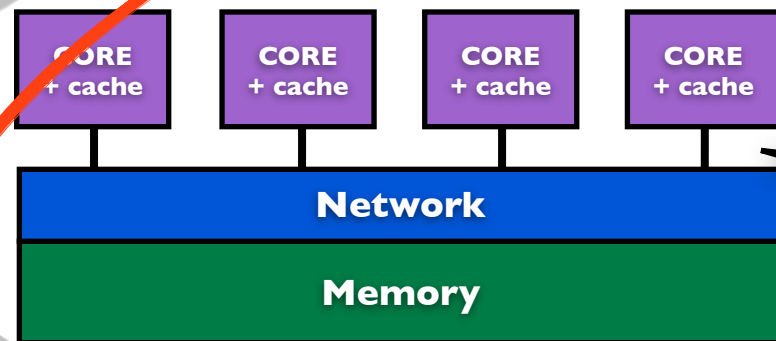
OpenCL

OpenMP

OpenMP,
Threads,
fork

multicore,
fork

Shared Memory



Task Parallelism:
Focus on who does what task