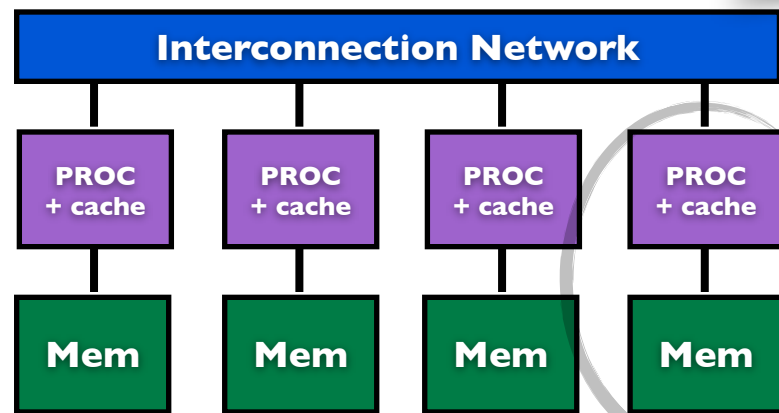


Focus on who owns what data and what communication is needed

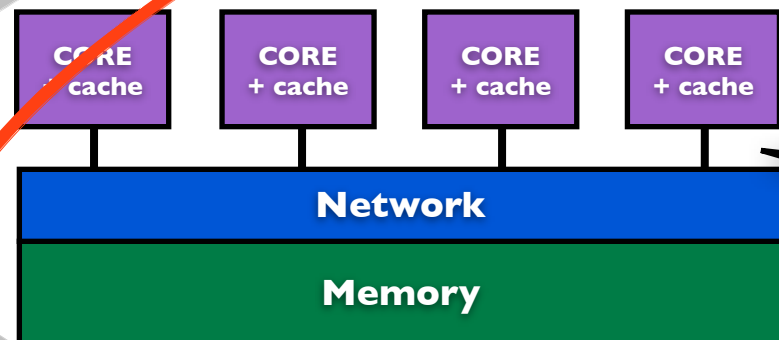
Sockets
MPI
HADOOP

Distributed Memory



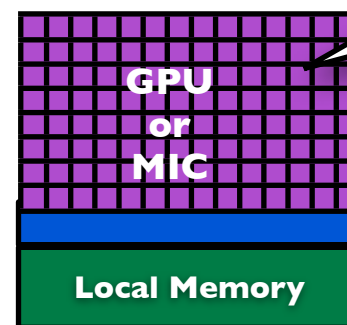
Same Task on Blocks of data

Shared Memory



Focus on which tasks can be parallel

Co-Processor



GPU: Graphical Processing Unit

MIC: Many Integrated Core

CUDA
OpenCL
OpenACC

OpenMP
OpenACC

OpenMP
Threads
fork