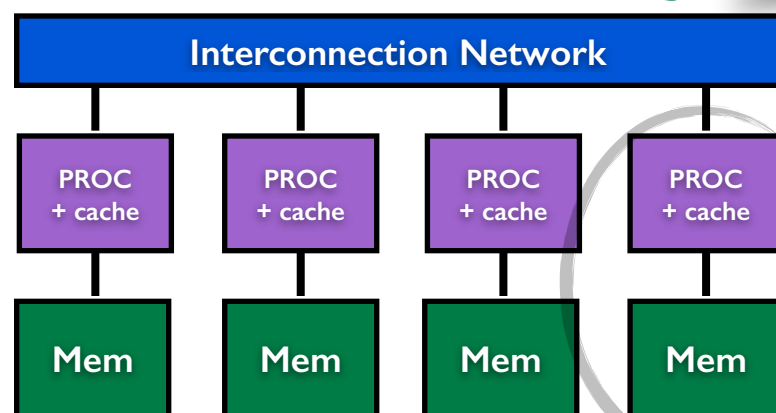


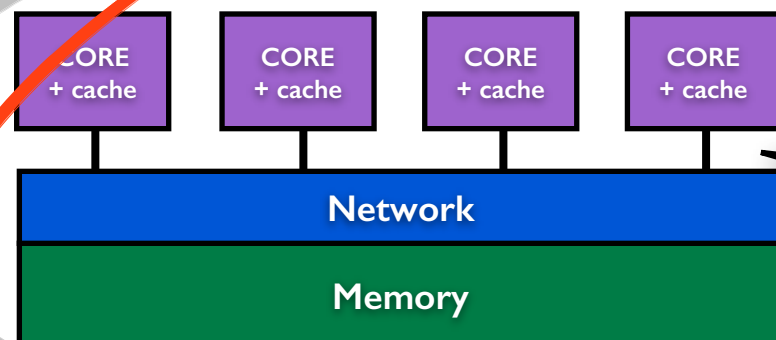
Sockets
MPI
Hadoop

Default is parallel (SPMD): what is my data
and what do I need from others?

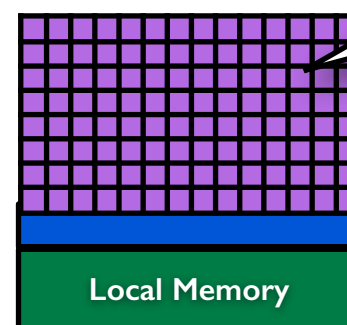
Distributed Memory



Shared Memory



Co-Processor



GPU: Graphical Processing Unit
MIC: Many Integrated Core

Offload data and tasks.
We are slow but many!

Default is serial: which tasks can
the compiler make parallel?

CUDA
OpenCL
OpenACC
OpenMP
Pthreads

fork