Processor and core are used interchangeably but they are different

Core: a processor that is built into a larger unit that can independently perform or process computational

Thread: a software concept, a single sequential flow or control in a program

Node: what is normally thought of as ‘one computer, one motherboard OpenMP to program within a node

Cluster: 100 or 1000s of nodes connected through high-speed interconnections, low latency and high bandwidth.

MPI to write programs that use multiple nodes together.

Positives

Doesn’t require any communication between individuals, just the initial colour assignment