Q4: MPI on Millions of Cores

•	It Positively	/ impac	ct our ability	to fully	y expl	oit pa	rallelism	on millions	of cores. As
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- 1) Communication that is more rapid (improved interconnects) lowers the time it takes for information to spread
- 2) Effective communication protocols that minimize communication overhead by reducing end-to-end latency.
- 3) Larger cache sizes enables for more data to be stored and accessible quickly, reducing the chances of a cache miss causing delays.
- 4) Improved "many core architectures" and programming paradigms allow for more efficient utilization of cores (lower parallel programming overhead).