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## Parallelism Jeopardy

Putting it all together!



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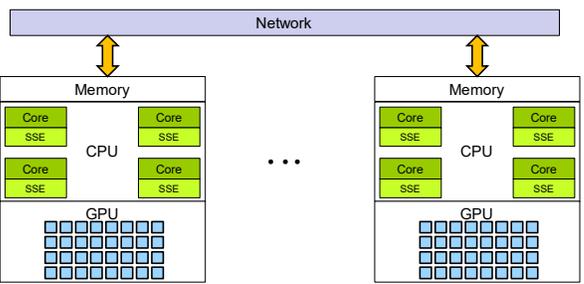
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 parallelism\_jeopardy.pptx mjb - April 17, 2021

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### Suppose We Have This Setup



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### Welcome to *Parallelism Jeopardy!*



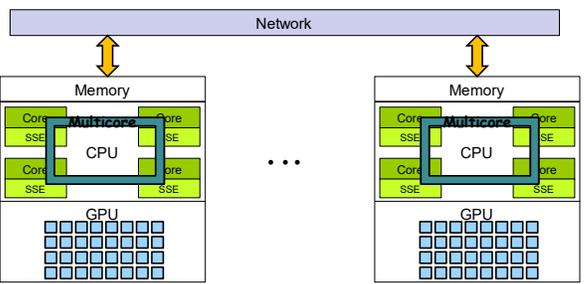
I'll take CS 475/575 for \$800, Alex.

**IN A MULTI-CPU DISTRIBUTED SYSTEM, THIS IS THE TOTAL NUMBER OF DIFFERENT KINDS OF PARALLELISMS THAT WE CAN COMBINE**

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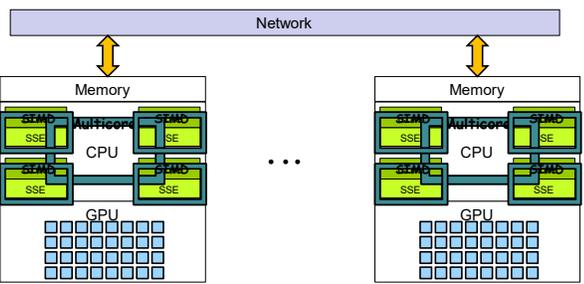


**1. Multicore OpenMP**

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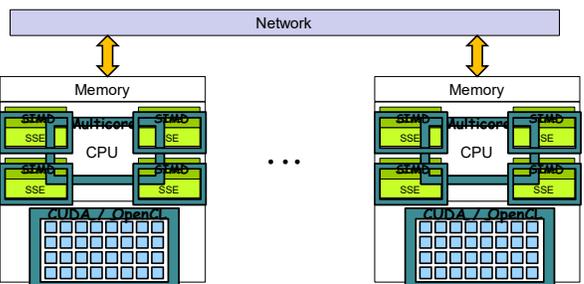


**1. Multicore OpenMP**  
**2. CPU SIMD**

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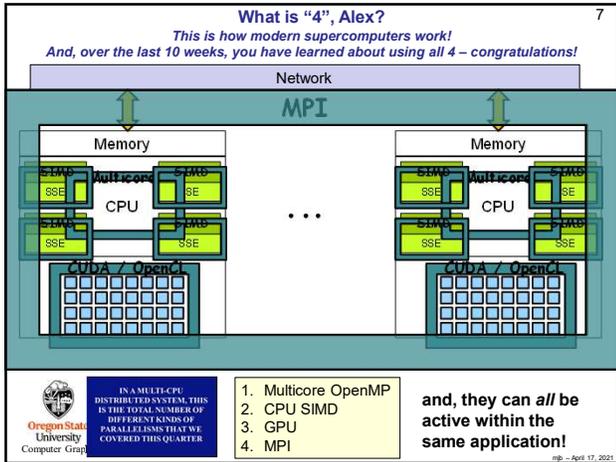
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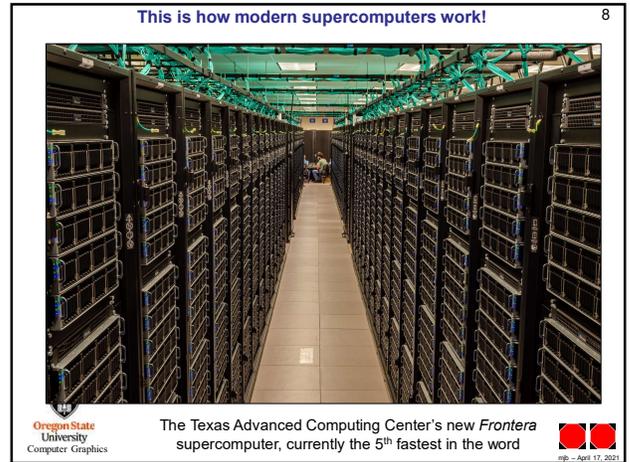
**1. Multicore OpenMP**  
**2. CPU SIMD**  
**3. GPU**

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