



Questions about Distributed Computing video


Parallel and Distributed Programming

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Memory and network

- The closer level of memory to the CPU is currently the S _____, F _____ and more E _____
- What do we understand by memory hierarchy abstraction?
- Why do you think it is important for parallel programming?
- What type of issues do you think you will have to deal with?
- Concerning the network; why do you think it is important for parallel programming?
- What type of issues do you think you will have to deal with?



Distributed Computation General Concepts

- According to the video, distributed computation can be done through two different architectures: G___ and C _____
- What is the main difference between them?
- What kind of problems can we solve with them?
- In a distributed system for parallel programming, we will have two different roles: D _____ and W _____
- Which are the main tasks of the D?



Handicaps

- Which is one of the main difficulty/handicap of distributed parallel programming?
- What do we understand in this scope by overhead?
- Which is the main condition, concerning computation time, to execute a program in a distributed environment?
- Can you give an example of problem that can be solved with this paradigm?



Programming Paradigm

- What programming paradigm is more suitable for parallel programming?
- Why?



Challenges

- To sum up which are the main challenges of distributed computing?
 - 1) Concerning communication
 - 2) Concerning algorithms and data structures