CAMPUS VIRTUAL UPC / Les meves assignatures / 2021/22-01/FB-270020-CUTotal / Unit 2:1: Understanding parallelism / Questions after video lesson 2 (part 3) Començat el dissabre, 16 de setembre 2021, 14:31 Estat Arabat Completat el dissabre, 18 de setembre 2021, 14:34 Temps emprat 3 minut 12 segons Qualificació 3,00 sobre 3,00 (100%) Assume we want to parallelize a loop with 100 iterations with no dependences among them. The finest possible granularity would imply: Trieu-ne una: a. 1 task with 100 iterations per task b. 10 tasks with 10 iterations per task c. 100 tasks with 1 iteration per task Vell done! Assume we want to parallelize a loop with 100 iterations with no dependences among them. The coarsest possible granularity would imply: Trieu-ne una: Very answer is correct. La resposta correcta és: 100 tasks with 1 iteration per task Vell done! Assume we want to parallelize a loop with 100 iterations with no dependences among them. The coarsest possible granularity would imply: Trieu-ne una: Assume we want to parallelize a loop with 100 iterations with no dependences among them. The coarsest possible granularity would imply: Trieu-ne una: Assume we want to parallelize a loop with 100 iterations with no dependences among them. The coarsest possible granularity would imply: Trieu-ne una: Assume we want to parallelize a loop with 100 iterations with no dependences among them. The coarsest possible granularity would imply: Trieu-ne una: Assume we want to parallelize a loop with 100 iterations with no dependences among them. The coarsest possible granularity would imply: Trieu-ne una: A 1 task with 100 iterations per task Vell done! Correcte La resposta correcta és: 1 task with 100 iterations per task			
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Given a task decomposition D_0 , a finer-grain decomposition D_1 would have more tasks, with less work per task. Therefore, D_1 exposes more potential parallelism than D_0 and this **always** implies that D_1 executes faster than D_0 . Note: assume that all tasks are totally independent in both D_0 and D_1 .

Trieu-ne una: ○ Vertader ○ Fals ✓

Congratulations! The exploitation of parallelism implies some overheads which can outweigh the benefits of having more tasks when they are too fine-grained.

La resposta correcta és 'Fals'.

▼ Video lesson 2 (part3)

Salta a...

Additional material -