Començat el	dissabte, 18 de setembre 2021, 14:31
Estat	Acabat
Completat el	dissabte, 18 de setembre 2021, 14:34
Temps emprat	3 minuts 12 segons
Qualificació	**3,00** sobre 3,00 (**100**%)

Pregunta **1**

Correcte

Puntuació 1,00 sobre 1,00

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 ✔ Well done!

Your answer is correct.

La resposta correcta és: 100 tasks with 1 iteration per task

Pregunta **2**

Correcte

Puntuació 1,00 sobre 1,00

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 ✔ Well done!
- b. 10 tasks with 10 iterations per task
- c. 100 tasks with 1 iteration per task

Your answer is correct.

La resposta correcta és: 1 task with 100 iterations per task

Pregunta **3**

Correcte

Puntuació 1,00 sobre 1,00

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 ►