

Començat el dissabte, 18 de setembre 2021, 14:27

Estat Acabat

Completat el dissabte, 18 de setembre 2021, 14:31

Temps emprat 4 minuts 2 segons

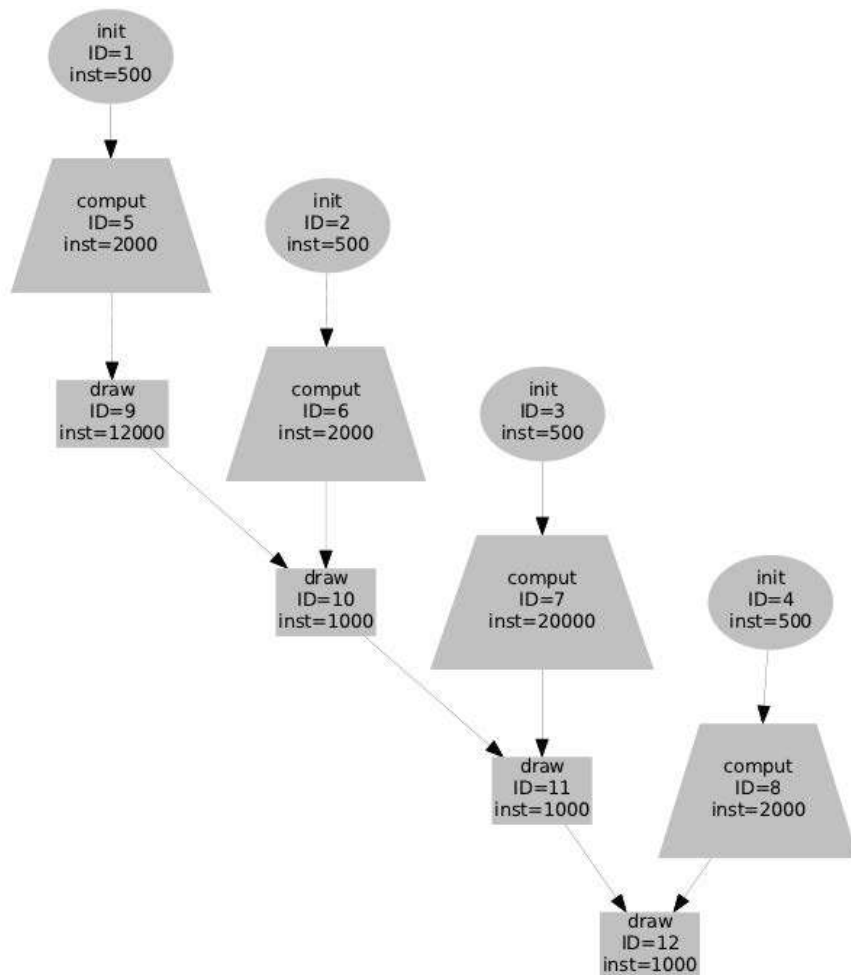
Qualificació 4,00 sobre 4,00 (100%)

Pregunta 1

Correcte

Puntuació 1,00 sobre 1,00

Given the following task dependence graph (TDG). Each node is labeled with a name and also includes an identifier ID and cost inst in terms of the number of instructions.



The TDG could be expressed textually with the following table:

name	ID	inst	successor ID	task
init	1	500	5	
init	2	500	6	
init	3	500	7	
init	4	500	8	
compute	5	2000	9	
compute	6	2000	10	
compute	7	20000	11	
compute	8	2000	12	
draw	9	12000	10	
draw	10	1000	11	
draw	11	1000	12	
draw	12	1000		

draw	9	12000	10
draw	10	1000	11
draw	11	1000	12
draw	12	1000	No successor

Observe that task *comput* with $ID=7$ takes 10 times more than the other *comput* tasks and task *draw* with $ID=9$ takes 12 times more than other *draw* tasks. Please, answer the following questions:

Which is the value for T_7 ?

Trieu-ne una:

- ☐ a. 12
- ☒ b. 43000
- ☐ c. 78

✓ Well done!

La teva resposta és correcta.

La resposta correcta és: 43000

Pregunta 2

Correcte

Puntuació 1,00 sobre 1,00

Which of the following sequences of tasks corresponds with the critical path in the task graph?

Trieu-ne una:

- ☐ 1, 5, 9, 10, 11, 12
- ☐ 1, 2, 3, 4, 8, 12
- ☒ 3, 7, 11, 12

✓ Well done!

La resposta correcta és: 3, 7, 11, 12

Pregunta 3

Correcte

Puntuació 1,00 sobre 1,00

Which is the corresponding value for T_{∞} ?

Trieu-ne una:

- ☐ a. 35500
- ☐ b. 17500
- ☒ c. 22500

✓ Well done!

La teva resposta és correcta.

La resposta correcta és: 22500

Pregunta 4

Correcte

Puntuació 1,00 sobre 1,00

Which is the value of the *Parallelism* metric that could be obtained with this task graph?

Trieu-ne una:

- ☐ a. 4
- ☒ b. 1.91
- ☐ c. 2.45

✓ Well
done!

La teva resposta és correcta.

La resposta correcta és: 1.91

[◀ Video lesson 2 \(part2\)](#)

Salta a...

[Video lesson 2 \(part3\) ▶](#)