

Començat el dimecres, 13 d'octubre 2021, 17:34

Estat Acabat

Completat el dimecres, 13 d'octubre 2021, 17:37

Temps emprat 3 minuts 5 segons

Qualificació 1,00 sobre 1,00 (100%)

Pregunta **1**

Correcte

Puntuació 1,00 sobre 1,00

Assume a shared-memory multiprocessor system implementing a write-update coherence mechanism in which processors perform memory accesses in the following temporal order:

CORE0 reads variable A (gets a value of 6 from main memory)

CORE1 reads variable A

CORE2 writes 17 into variable A

CORE3 reads variable A

After that sequence, which of the following answers is true?:

Trieu-ne una:

- ☐ Only CORE2 and CORE3 have value 17 in their cache memories
- ☐ Only CORE2 has value 17 in cache memory, the other cores have value 6 in their cache memories
- ☒ All cores have value 17 in their respective cache memories
- ☐ All cores have the original value 6 in their respective caches



Well done!

With a Write-update mechanism the processor that writes broadcasts the new value and forces all others to update their copies

La teva resposta és correcta.

[◀ Video lesson 4 \(part 4\): write-update snooping coherence](#)

Salta a...

[Video lesson 4 \(part 5\): write-invalidate snooping coherence ▶](#)