CAMPUS VIRTUAL UPC / Les meves assignatures / 2021/22-01:FIB-270020-CUTotal / Unit 3.2: Introduction to parallel architectures II / NUMA coherence quizz (2)

Començat el	dimecres, 24 de novembre 2021, 19:00
Estat	Acabat
Completat el	dimecres, 24 de novembre 2021, 19:00
Temps emprat	-
Qualificació	2,00 sobre 2,00 (100 %)
Pregunta 1 Correcte	
Puntuació 1,00 sobre 1,00	
	tiprocessor system with 4 nodes, each node with one processor, 64 KB of private cache and 8 GB of main memory. nodes is kept with a directory-based MSU protocol, using the transactions explained in class.
cache memories in	ome node for variable <i>var</i> is NUMAnode0 and that at a given moment there exist clean copies of that variable in the NUMAnode1 and NUMAnode2, but no copies in NUMAnode0 and NUMAnode3. If the processor in NUMAnode1 wants) variable <i>var</i> , which of the following coherence actions do NOT occur?
Trieu-ne una o més	
The processor	in the local node (NUMAnode1) issues PrWr.
The local node	e sends a UpgrReq command to the home node (NUMAnode0).
Since there is	another copy of the line in the cache of a remote node (NUMAnode2), the home node sends an Invalidate command to it.
Since there is a command to it	another copy of the line in the cache of a remote node (NUMAnode2), the local node sends an Invalidate Well done!
Pregunta 2 Correcte	
Puntuació 1,00 sobre 1,00	
occur?	access, the processor in NUMAnode3 reads the same variable <i>var</i> . Which of the following coherence actions do NOT
Trieu-ne una o més The processor	: · in the local node (NUMAnode3) issues PrRd.
•	issues a Fetch command to the home node (NUMAnode0) to obtain the line Well done! It has to issue
	de then issues a Fetch command to the remote NUMAnode1 in order to get the most up-to-date copy of the requested
☐ The remote no	ode issues a Dreply command with the only valid copy of the line in the whole system.
La teva resposta és	correcta.
⊸ NUMA coher	ence quizz (1)
Salta a	