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

3/11/21 18:04	NUMA coherence quizz (2): Attempt review
Començat el	dissabte, 23 d'octubre 2021, 09:46
Estat	Acabat
Completat el	dissabte, 23 d'octubre 2021, 09:48
Temps emprat	1 minut 10 segons
Qualificació	2,00 sobre 2,00 (100 %)
Pregunta 1 Correcte Puntuació 1,00 sobre 1,00	0
Pulituacio 1,00 sobie 1,00	
Coherence among	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	NUMAnode1 and NUMAnode2, but no copies in NUMAnode0 and NUMAnode3. If the processor in NUMAnode1 write to) variable <i>var</i> , which of the following coherence actions do NOT occur?
Trieu-ne una o més The processor	s: r in the local node (NUMAnode1) issues PrWr.
The local node	e sends a UpgrReq command to the home node (NUMAnode0).
Since there is to it.	another copy of the line in the cache of a remote node (NUMAnode2), the home node sends an Invalidate command
Since there is Invalidate com	another copy of the line in the cache of a remote node (NUMAnode2), the local node sends an well done!
La teva resposta és	s correcta.
Pregunta 2	
Correcte	
Puntuació 1,00 sobre 1,00	0
After the previous a 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	r in the local node (NUMAnode3) issues PrRd.
The local node containing var.	e issues a Fetch command to the home node (NUMAnode0) to obtain the line Well done! It has to issue RdReq, not Fetch.
The home nod requested me	de then issues a Fetch command to the remote NUMAnode1 in order to get the most up-to-date copy of the mory line.
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.	

Video lesson 6: iterative vs. recursive task decompositions ▶

■ NUMA coherence quizz (1)

Salta a...