CAMPUS VIRTUAL UPC / Les meves assignatures / 2021/22-01:FIB-270020-CUTotal / Unit 3.2: Introduction to parallel architectures II / Questions after video lesson 5



/11/21 18:03	Questions after video lesson 5: Attempt review		
Començat el	at el diumenge, 17 d'octubre 2021, 12:23		
Estat	Acabat		
Completat el	diumenge, 17 d'octubre 2021, 12:27		
Temps emprat	3 minuts 37 segons		
Qualificació	2,00 sobre 2,00 (100 %)		
Pregunta 1			
Correcte			
Puntuació 1,00 sobre 1,0	10		
directory associate	ry-based multiprocessor system with four ed. Memory lines are 64 bytes long. Data exist in each one of the four directories?	a coherency is maintain	n 24 GB of main memory and with the corresponding ned using a Write-Invalidate protocol.
Trieu-ne una: 24 x 2 ³⁰ entri	ies in each directory		
4 entries in ea	ach directory		
 24 x 2²⁴ entries in each directory Correct! The number of entries is the number of mem each memory, that is 24 x 2³⁰ / 2⁶, since each memory bytes (i.e. 2⁶ bytes). 		, that is $24 \times 2^{30} / 2^6$, since each memory line is 64	
Pregunta 2 Correcte Puntuació 1,00 sobre 1,0			
Assuming the expl	lanation in the video lessons, how many b	vits are needed in each	directory entry?
Trieu-ne una:			
4 bits in total			
5 bits in total		~	Well done! In class we will use two bits for the state (M , S, U), which in total would be 6 (2+4)
1 bit for clean	ı/dirty (D)		
○ 64 bits, one f	or each byte in the line		
La teva resposta é	s correcta.		
√ Video lesson	n 5 (part 3): directory entry (notation a bit	different from the one	used in class)

Additional material ►



Salta a...