Kahoot!

Cache coherence + memory consistency

1 play · 72 players



🖧 A kahoot by Penn State

Questions (4)

1 - Quiz

Why is directory-based cache coherence better than snooping-based?

30 sec



Less memory use





Less hardware cost





Better scalability



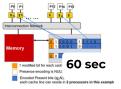


Better cache hit rate



2 - Quiz

What was the DISadvantage of limited directory-based coherence?





More memory needed for directory





Cannot support many processors





Will have to fallback when more processors than expected shared a block



None of the above

	Quiz sequential consistency, which of the following cannot be printed?	<pre>read 1 A = 1 print(B)</pre>	Thread 2 (3) B = 1 60 sec
	A=1, B=1		×
•	A=1, B=0		X
	A=0, B=1		X
	A=0, B=0		✓
	Quiz hat is NOT true about processor consistency?	<pre>read 1 A = 1 print(B)</pre>	Thread 2 (3) B = 1 60 sec
		A = 1	(3) B = 1
	hat is NOT true about processor consistency?	A = 1	(3) B = 1 60 sec A
	hat is NOT true about processor consistency? A=0, B=0 can be printed	A = 1	(3) B = 1 60 sec A