SMPs

- Centralized main memory and many caches → many copies of the same data
- A system is cache coherent if a read returns the most recently written value for that word

Time	Event	Value of X in	Cache-A	Cache-B	Memory
0			-	-	1
1	CPU-A reads X		1	-	1
2	CPU-B reads X		1	1	1
3	CPU-A stores 0 in X		0	1	0

4 CPU-B read X return 0