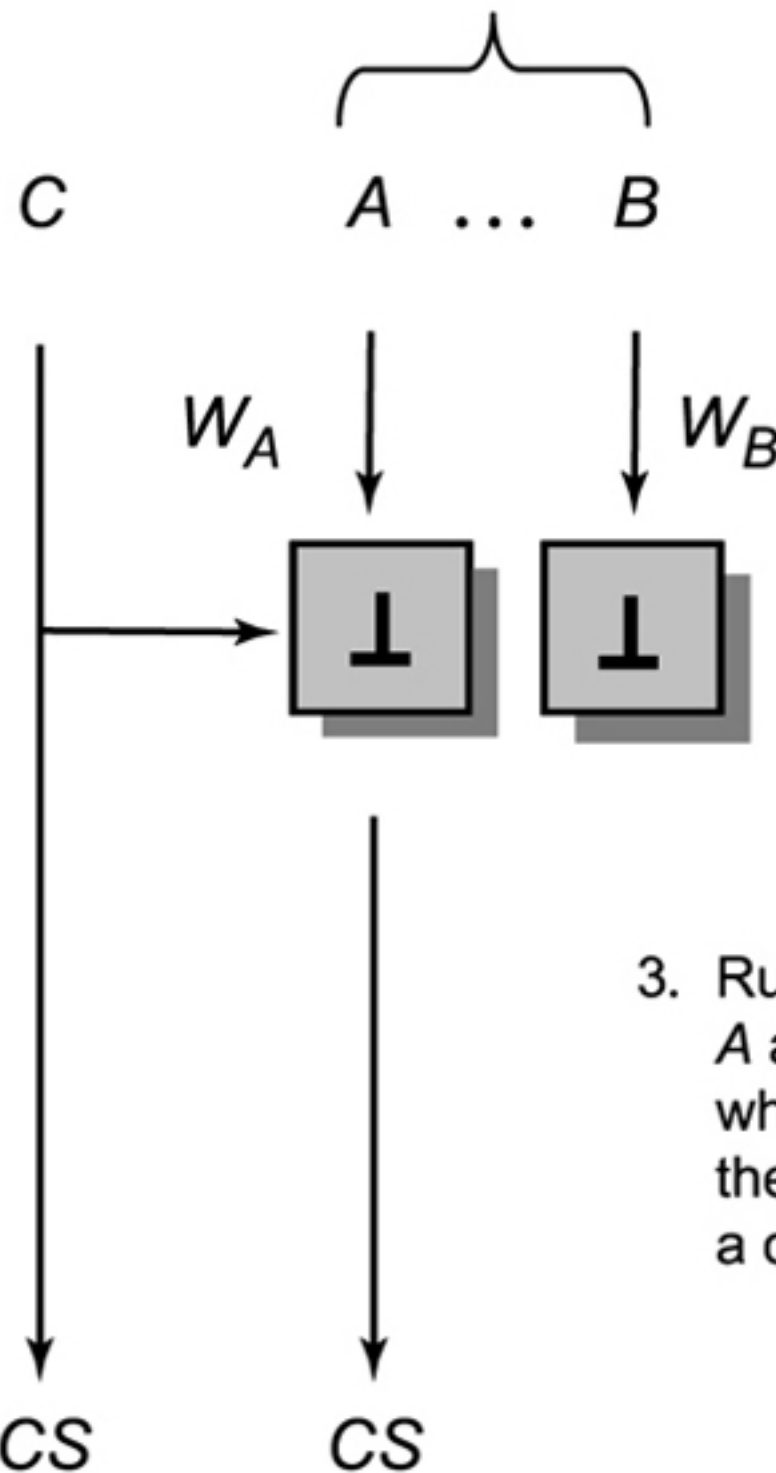


Assume only 2 locations.



2. C runs. It possibly writes all locations and enters the CS.

1. The system is in a covering state.

3. Run the other threads A and B. They overwrite what C wrote and one of them must enter the CS – a contradiction!

FIGURE 2.14 Contradiction using a covering state for two locations. Initially both locations have the empty value \perp .