Process synchronization (2)

The readers-writers problem. Two types of processes share a data structure (file, database...) :
— The processes that read it (*reader* processes)
— The processes that modify it (*writer* processes)
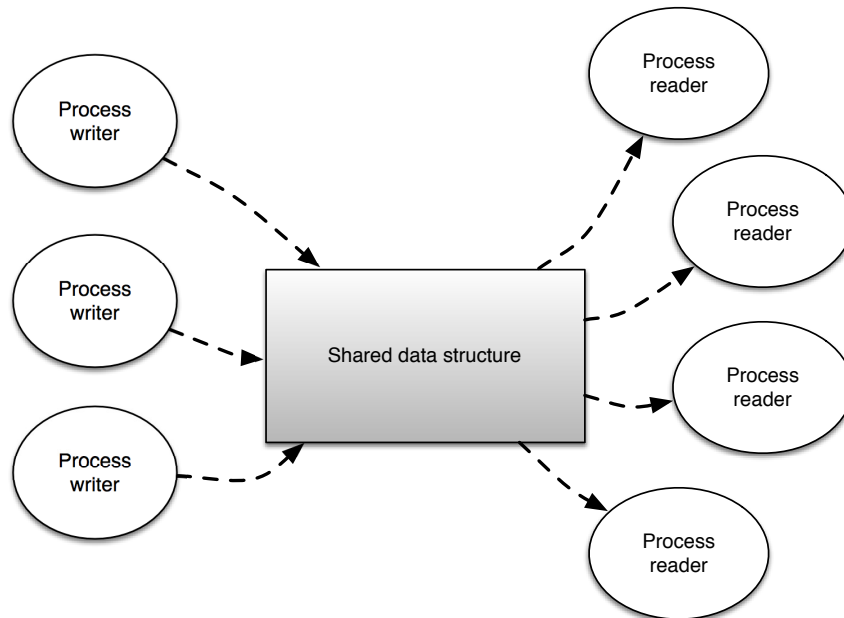The number of processes is dynamic. The goal is to ensure the integrity of the structure.

FIGURE 1 – Readers-Writers

▷ **Question 1** *How to ensure the integrity of the structure ?*

▷ **Question 2** *Solve the reader-writer problem with semaphores.*

▷ **Question 3** *Solve the reader-writer problem with monitors.*