ARP 2021 - THIRD ASSIGNMENT - 2nd semester

Consider the problem called *Dining Philosophers*.

Solve the problem with 5 processes, one per philosopher. Each philosopher is endless cycling, with randomly variable period (random "eating" time).
A further process stores, using shared memory, the 5 forks.
Each philosopher prints on the screen what is doing. The same is done for the forks status.
Show that the solution never gets deadlocked, by making the philosophers to pick up simultaneously the 5 forks.