

Ambiguity around Ractor message sending FIFO semantics

02/16/2024 06:26 PM - forthoney (Seong-Heon Jung)

Status:	Open	
Priority:	Normal	
Assignee:		
Description		
<p>The docs should explicitly state the semantics/properties of Ractor message, especially when it comes to FIFO.</p> <p>For example, assume I have two Ractors, Ractor A and Ractor B. Ractor A sends two messages "hello" and "world" in this order to Ractor B.</p> <p>If I call Ractor.receive on Ractor B, am I guaranteed to see "hello" and then "world" or is it possible the messages are delivered out of order?</p>		

History

#1 - 04/26/2024 05:51 PM - luke-gru (Luke Gruber)

The messages in that case would be guaranteed to be received in order (first "hello" then "world").

If you have 2 different ractors or 2 different threads both receiving messages from the same ractor, then there is no guarantee of the order.