Reliable Broadcast

Exercise 1  What happens in the reliable broadcast and uniform reliable broadcast algorithms if the: (a) accuracy, (b) completeness property of the failure detector is violated?

Exercise 2  Implement a reliable broadcast algorithm without using any failure detector (i.e., using only BestEffort-Broadcast (beb)).

Exercise 3  Assume a majority of processes is correct. Modify the uniform reliable broadcast algorithm presented in the class, such that it does not use any failure detector.

Exercise 4  The reliable broadcast algorithm presented in the class has the processes continuously fill their different buffers without emptying them. Modify it to remove unnecessary messages from the buffers: (a) from[pi], and (b) delivered.