MPRI 2.18.2: Solutions for Quiz 3

1   Digests

Check Lemma 7.2 and Theorem 7.3 in the lecture notes.

2   Atomic bit assertion: "counter-example" in Slide 17

The problem with this counter-example is that the depicted history is linearizable: w_1, r_1, w_2, r_2, w_3 is a linearization.

3   Counter-example for the algorithm in Slide 19

Check Figure 7.4 in the lecture notes.