

## HW3 Q2.2

As we see in Q2.1, there are at most 6 instructions in ROB when executing this code, but when there are 6 instructions in Cycle 9, the C item in ROB is in the process of committing. If ROB size is 6, the new dispatch can't take place in the C item in ROB (which is in committing) at the same clock cycle, so the minimum ROB size is 7.