CS3375: Computer Architecture Spring 2020

Review #8 Solution

3. Consider executing the following code on the pipelined datapath,

How many clock cycles will it take to execute this code? [HINT]: You can use a data forwarding.

[2 pts]

• It will take 8 clock cycles to execute this code, including a bubble of 1 cycle due to the dependency between the 1w and sub instructions.

