

Draw thedata path in operation for an R-type instruction, such as add $t1,$t2,$t3. (Only the active control lines,  data path units,  and connections). Define the four steps to execute the instruction. [10]





1. Define Data Hazard with proper example. [2]





1. Draw the data path in operation for a branch-on-equal instruction, such as beq$t1, $t2, offset. (Only the active control lines,  data path units,  and connections). Define the four  steps  to  execute the instruction. [10]







1. Define Control Hazard with proper example. [2]



