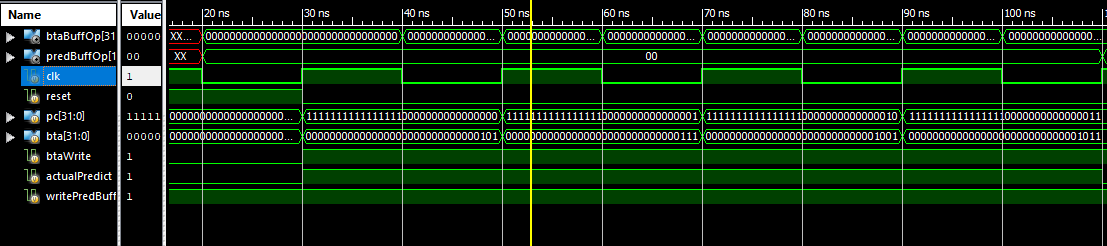
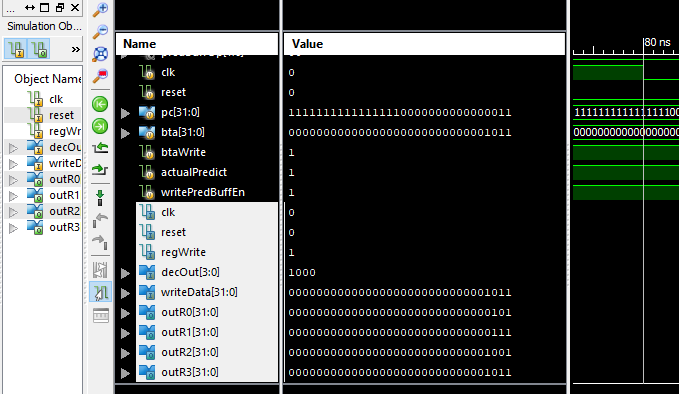
Waveforms :

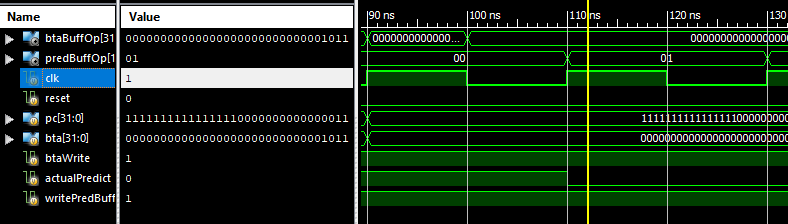
Time frame where BTA buffer is populated with bta values given in testbench and btaWriteEn set (with Branch taken predict state 00)



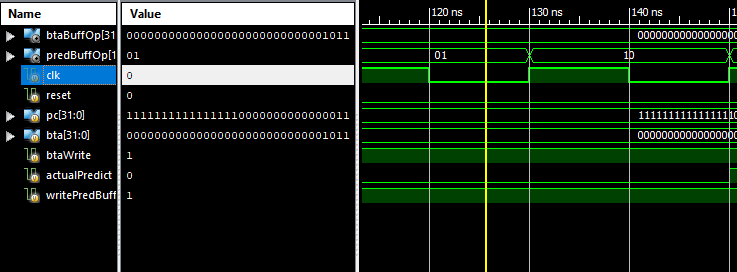
After all 4 values of bta are present in buffer



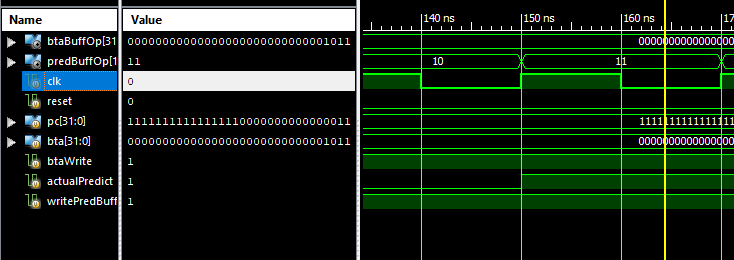
Branch is Not taken – State changes to 01 and buffer updated



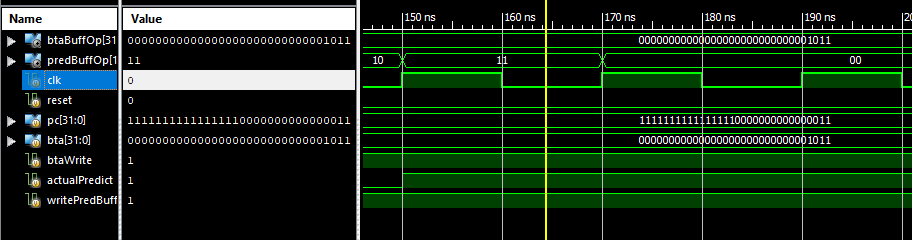
Branch is Not Taken – State changes to 10



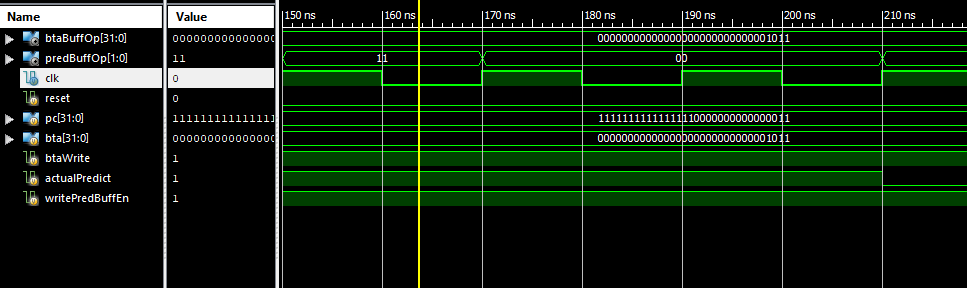
Branch taken – State changes to 11 as well as buffer updated



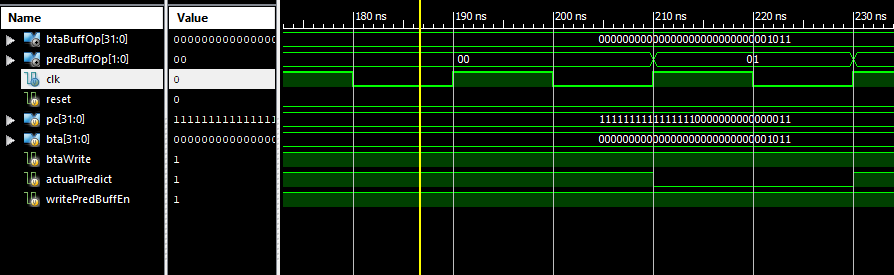
Branch is Taken –State changes to 00 and buffer is updated



Branch is Taken again – Hence State is 00 and buffer is not updated



Branch is Not Taken – State becomes 01 –Buffer updated



Branch Taken –State becomes 00 –Buffer updated

