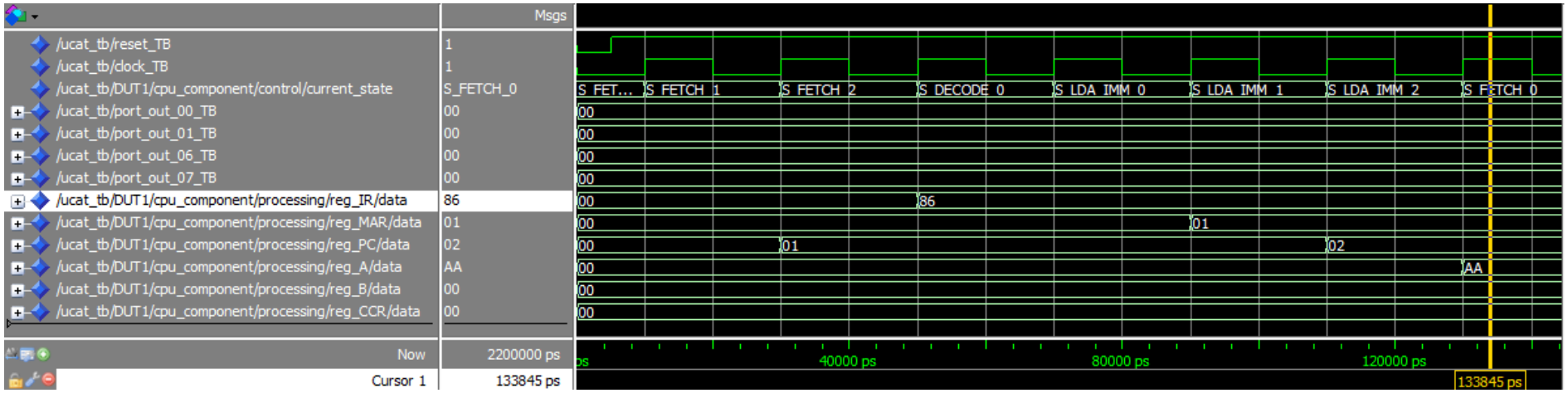

Figure 1: Fetch-Decode States and LDA_IMM Execution

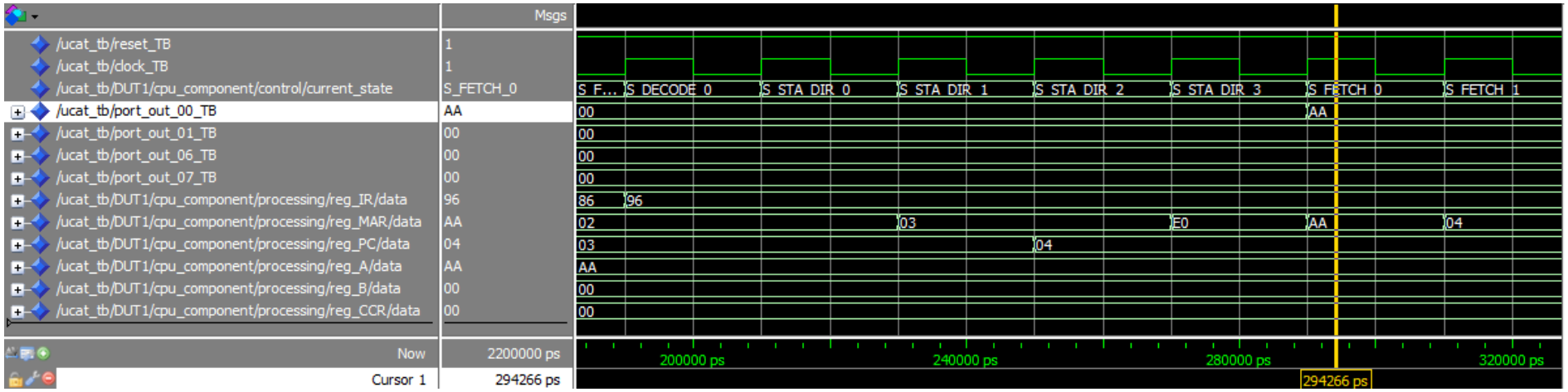

Figure 2: STA_DIR Execution

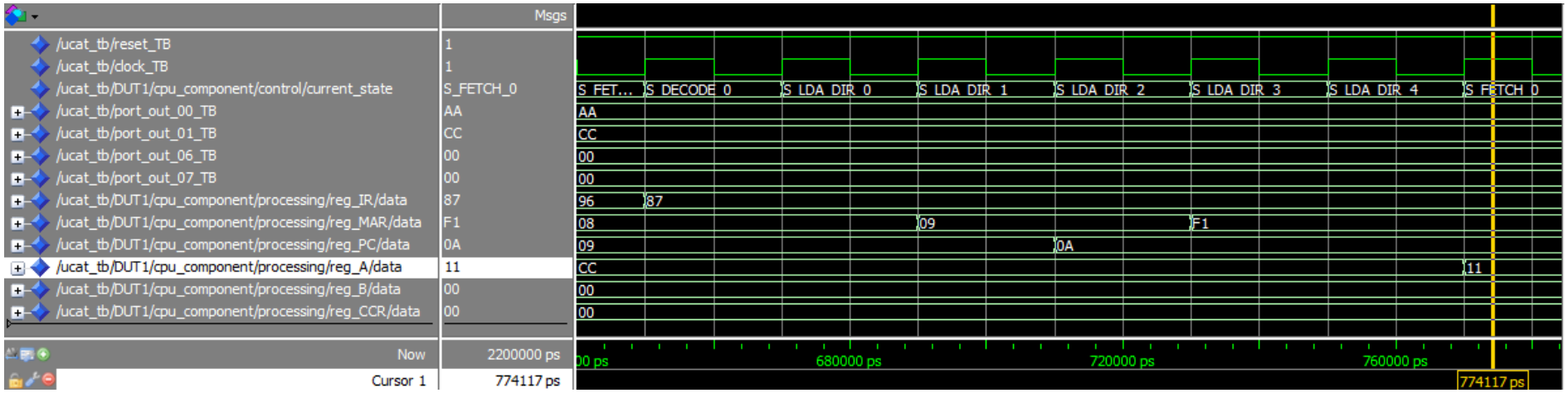

Figure 3: LDA_DIR Execution

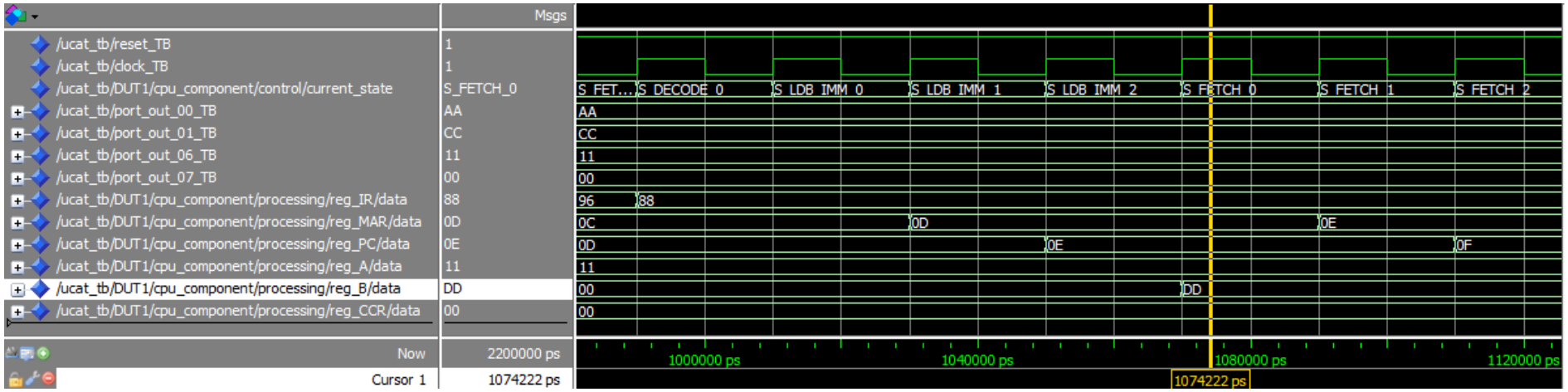

Figure 4: LDB_IMM Execution

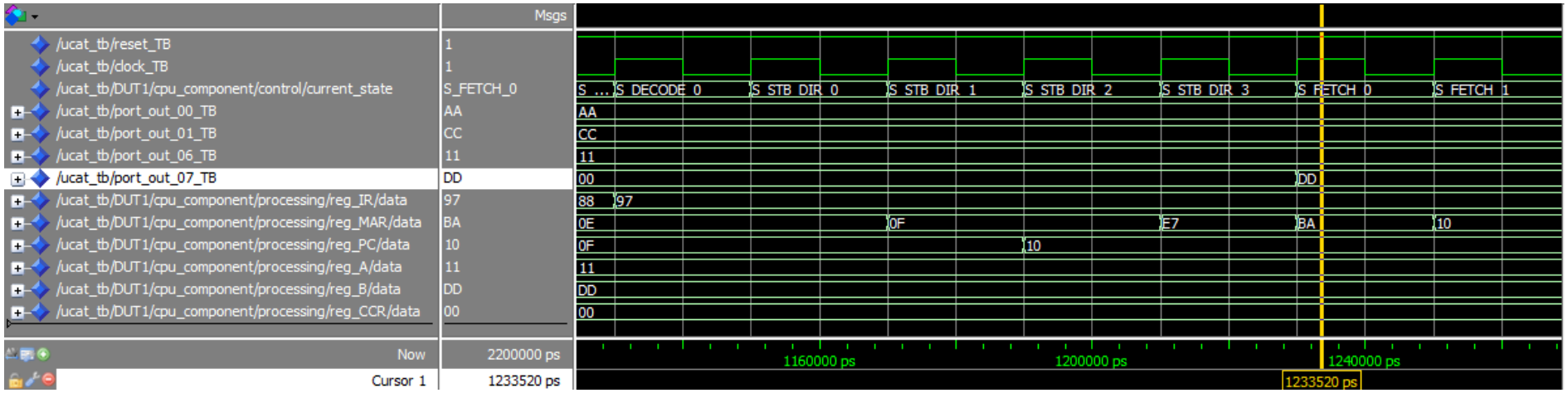

Figure 5: STB_DIR Execution

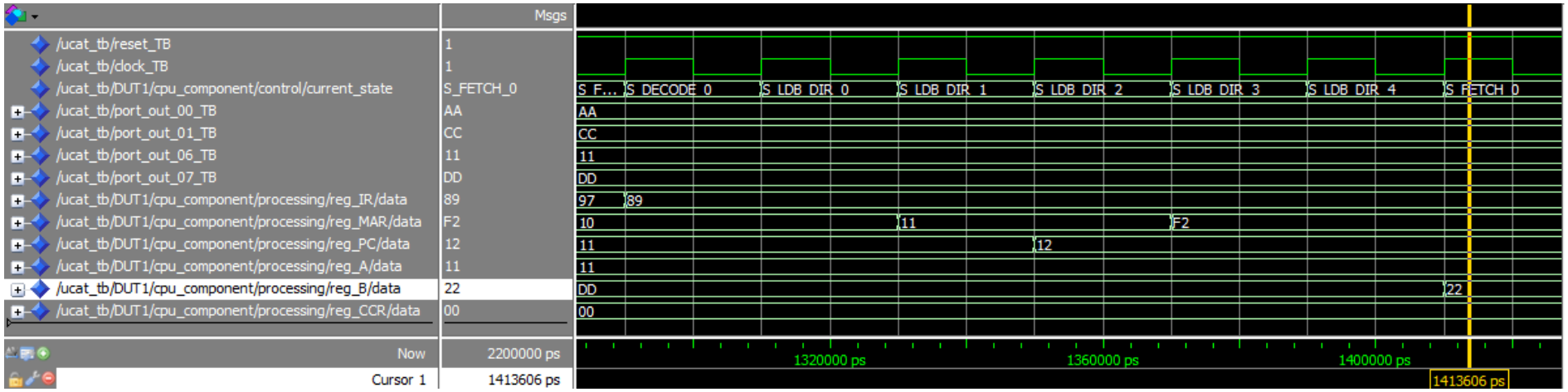

Figure 6: LDB_DIR Execution

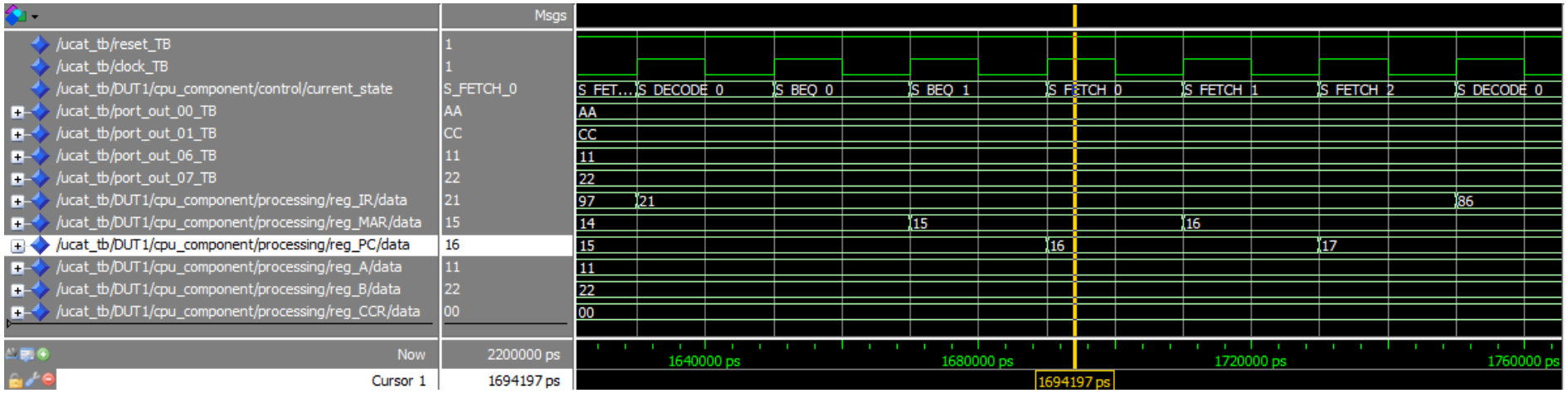

Figure 7: BEQ Execution

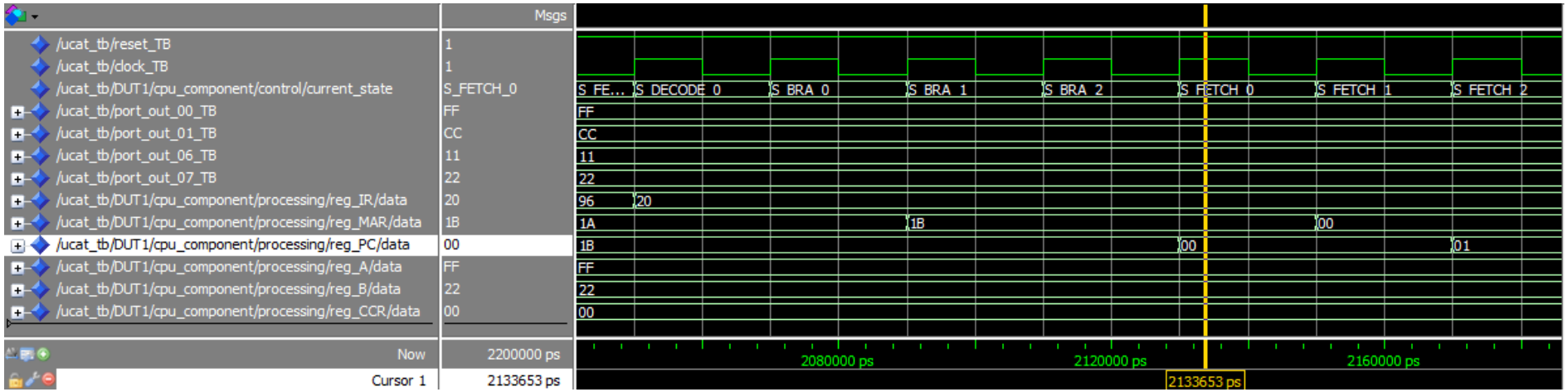

Figure 8: BRA Execution