

Figure 1 and two tests for the priority of load then down then up,

The selection lines of load, down, and up are set to 1

When (load ==1 ,up==1,down==1),Counter equal to Input

When (load==0,up==1,down==1),Counter start to count down so priority of down more than up

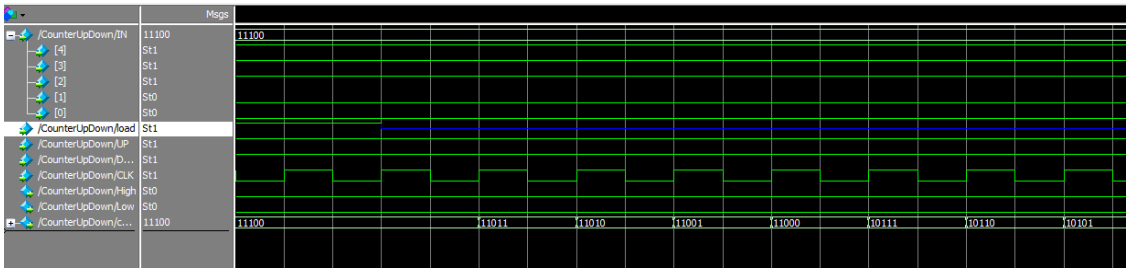


Figure 1

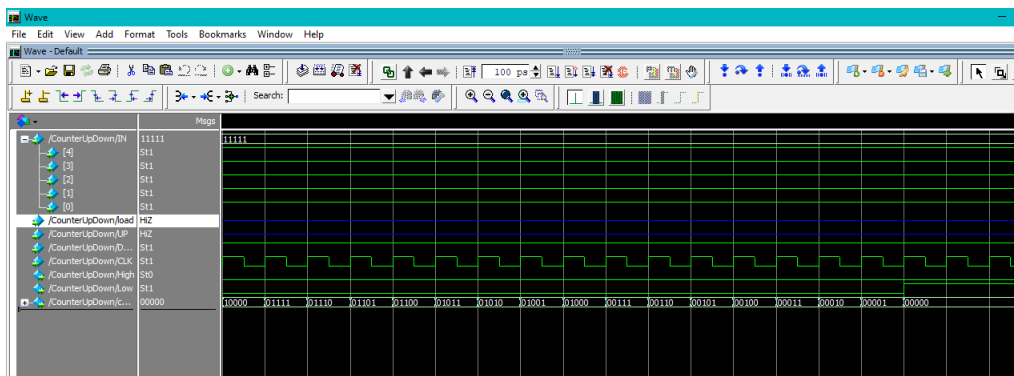


Figure 2