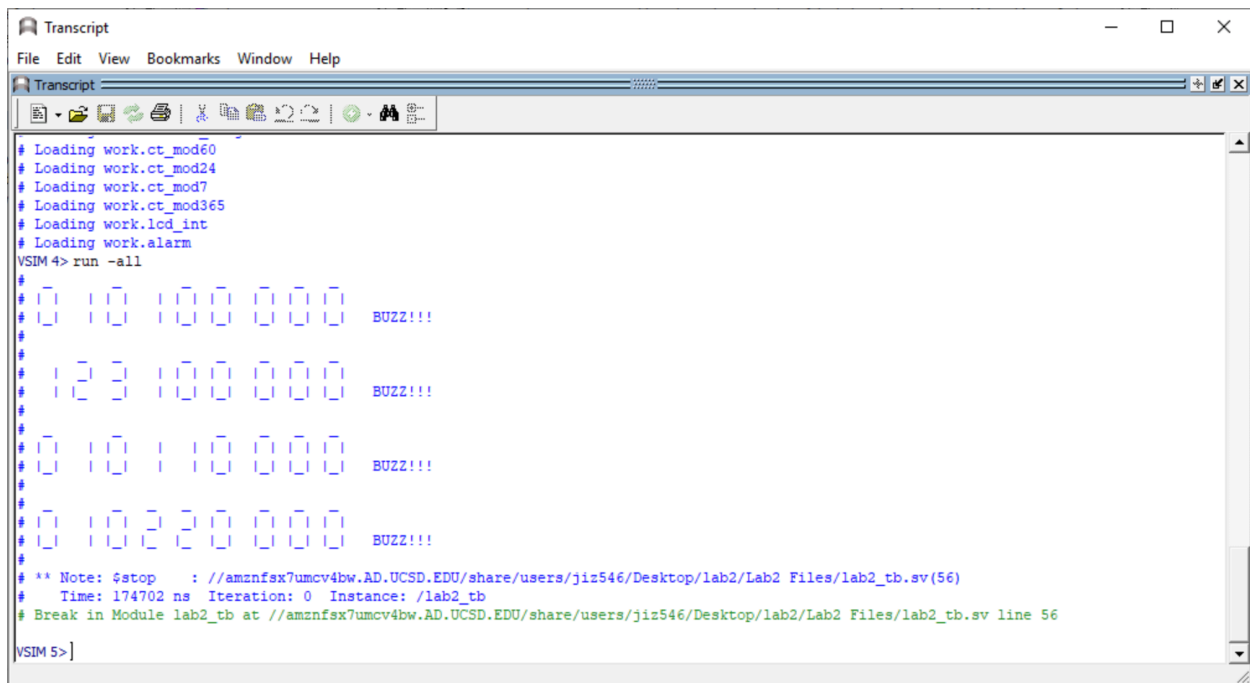


Lab2 Part3 Report

Similarly to the Part2 0-6 represent Monday to Sunday. Right here I'm using my own test bench again because I implemented the date using 365 instead of separating the month and date. Here I followed the instruction exactly. I use my own test bench mainly because when I wrote it I don't know there's already a test bench available to download.

1. Here is the part where I display the time before it's setting, then set it to be the last day of the year, then let it tick for a day to reach the first day of the year. Then the second. It is shown that the day of the week is rolling over as expected.



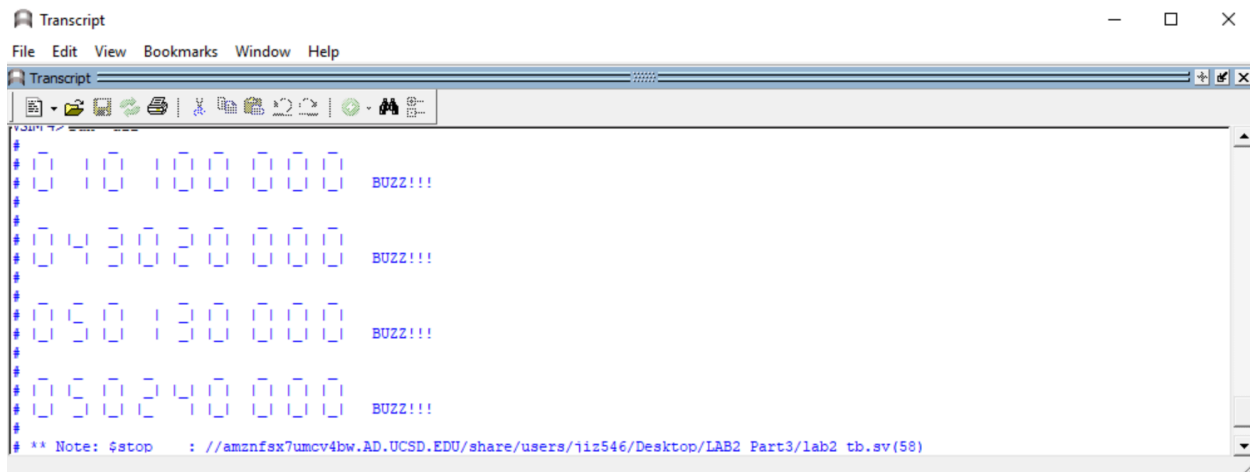
```
Transcript
File Edit View Bookmarks Window Help
Transcript
# Loading work.ct_mod60
# Loading work.ct_mod24
# Loading work.ct_mod7
# Loading work.ct_mod365
# Loading work.lcd_int
# Loading work.alarm
VSIM 4> run -all
#
# 0 10 100 000 BUZZ!!!
#
# 1 2 3 100 000 BUZZ!!!
#
# 0 10 1 10 000 BUZZ!!!
#
# 0 10 2 20 000 BUZZ!!!
#
# ** Note: $stop : //amznfsx7umcv4bw.AD.UCSD.EDU/share/users/jiz546/Desktop/lab2/Lab2 Files/lab2_tb.sv(56)
# Time: 174702 ns Iteration: 0 Instance: /lab2_tb
# Break in Module lab2_tb at //amznfsx7umcv4bw.AD.UCSD.EDU/share/users/jiz546/Desktop/lab2/Lab2 Files/lab2_tb.sv line 56
VSIM 5>
```

2. Here it also displays the time before setting, then set the time to be February 28th and supposed it's a Tuesday, and I let it tick for a day to be March 1st, and the day rollover as expected to be Wednesday.



```
# Loading work.lcd_int
# Loading work.alarm
VSIM 5> run -all
# 0 10 100 000 BUZZ!!!
#
# 0228 10 000 BUZZ!!!
#
# 030 120 000 BUZZ!!!
#
# 030230 000 BUZZ!!!
```

3. Here it also displays the time before setting, and set the time to be April 30th, supposed it's a Wednesday, and let it tick for a day when it reaches May 1st.



```
# Loading work.lcd_int
# Loading work.alarm
VSIM 5> run -all
# 0 10 100 000 BUZZ!!!
#
# 043020 000 BUZZ!!!
#
# 050 130 000 BUZZ!!!
#
# 050240 000 BUZZ!!!
#
# ** Note: $stop : //amznfsx7umcv4bw.AD.UCSD.EDU/share/users/tiz546/Desktop/LAB2 Part3/lab2 tb.sv(58)
```