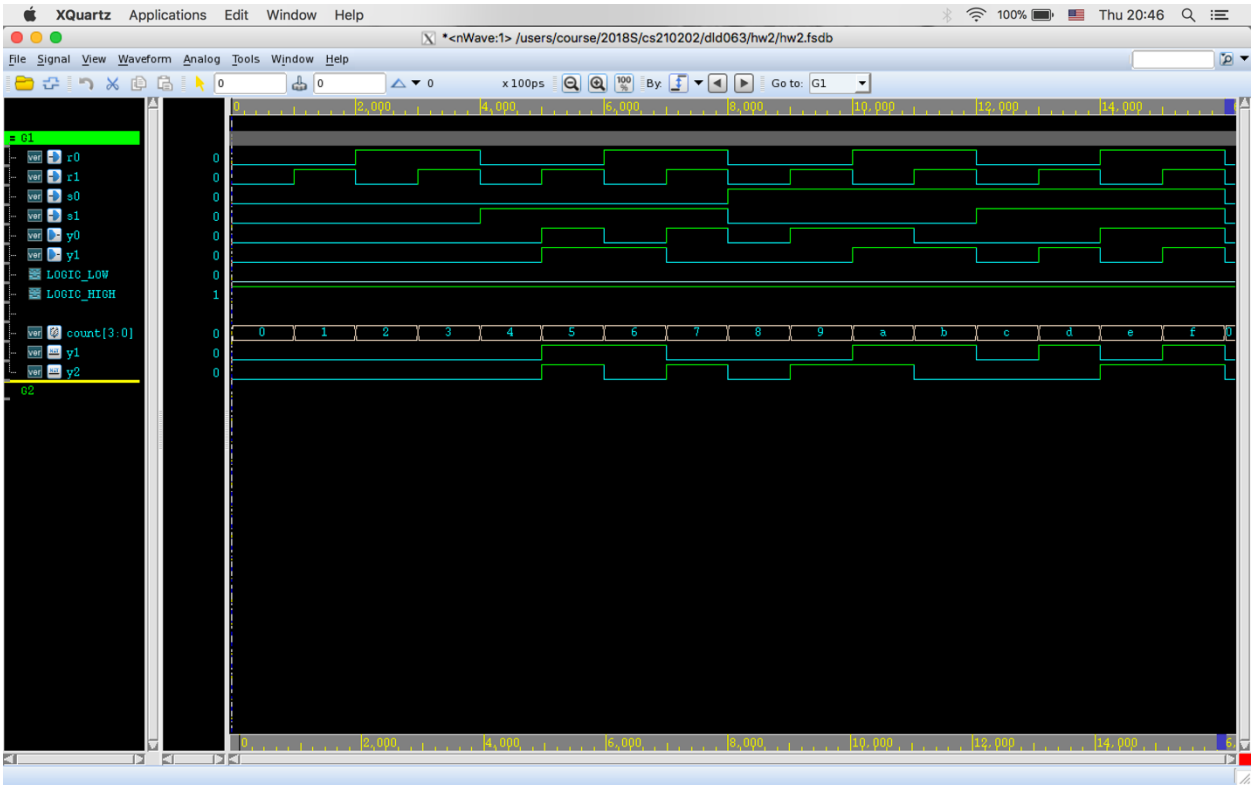
hw02_report_106062202

When figuring out how to use the workstation, I found that not much was really said about Mac users in the guide. So, I searched on the web, and was completely lost. But after rereading the guide for many times, I gradually figured out what the whole “workstation” thing is. I realized that as a Mac user, almost everything is native and requires little to none installation, and that the guide is clear enough if the reader knows what a workstation does.

When solving the homework 2 problem, I drew the truth table and can’t think of any way to extend the majority function to solve homework 2. Hence, I used the minterm tactic and simplified the expression as hard as I could. For the test bench and the function, I basically imitated the majority function and its test bench. Everything else went well, and the result seemed to be correct.



```
*Verdi3* : Create FSDB file 'hw2.fsdb'
*Verdi3* : Begin traversing the scopes, layer (0).
*Verdi3* : End of traversing.
+-------------+
|Input |Output|
|------+------|
| 0000 |  00  |
| 0001 |  00  |
| 0010 |  00  |
| 0011 |  00  |
| 0100 |  00  |
| 0101 |  11  |
| 0110 |  10  |
| 0111 |  01  |
| 1000 |  00  |
| 1001 |  01  |
| 1010 |  11  |
| 1011 |  10  |
| 1100 |  00  |
| 1101 |  10  |
| 1110 |  01  |
| 1111 |  11  |
+-------------+
ncsim: *W,RNQUIE: Simulation is complete.
ncsim> exit
[dld063@ic25 ~/hw2]$ nWave
logDir = /users/course/2018S/cs210202/dld063/hw2/nWaveLog

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```