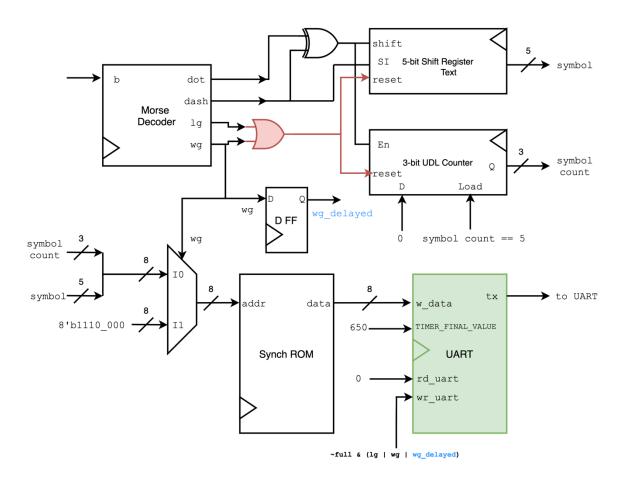
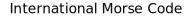
## Lab 11 Morse Code Terminal

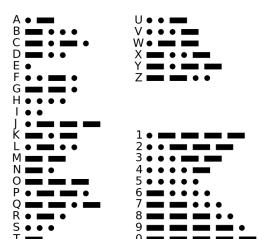
In this lab, you will display the decoded Morse code on a computer terminal. Specifically, you will replace the FIFO in the previous lab solution by a UART module (displayed in green below)

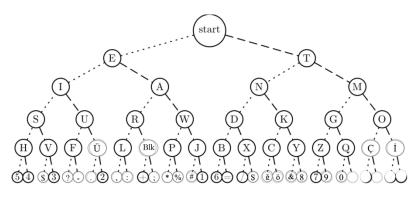


- Implement the system shown in the figure on the FPGA board
- The 650 connected to the TIMER FINAL VALUE, assumes a baud rate of 9600 bps
- The rd\_uart signal should be connected to 0 because we are not using the rx (receiver) part of the UART.



- The length of a dot is one unit.
   A dash is three units.
   The space between parts of the same letter is one unit.
   The space between letters is three units.
   The space between words is seven units.





## Submission check list:

- [] All Verilog code you generated or modified
- [] All testbenches written
- [] Embed all screenshot of your testbench output in your README.md
- [] Embed all block diagram or state diagrams generated in your README.md
- [] Short videos demonstrating each of the parts you implemented on the FPGA