Insert this transcript on "transcript" tab on ModelSim. Don't forget to plug the outputs: "HEX(1)", "HEX(0)", "LEDR", and inputs: "SW", "KEY(0)", "KEY(1)", "CLOCK".

The first two bits **10** represent the SHIFT LEFT operation. Notice that **10** 00111100 becomes 00 01111000

For a more in-depth explanation, check the SUM script.

restart -f -nolist -nolog -nobreak -novirtuals -noassertions -nofcovers -noatv

force -freeze sim:/top\_calc/CLOCK 1 0, 0 {5 ps} -r 10

force -freeze sim:/top\_calc/KEY(0) 0 10

force -freeze sim:/top\_calc/KEY(1) 0 10

force -freeze sim:/top\_calc/KEY(0) 1 20

force -freeze sim:/top\_calc/KEY(1) 0 20

force -freeze sim:/top\_calc/KEY(1) 1 30

force -freeze sim:/top\_calc/SW 1000111100 40