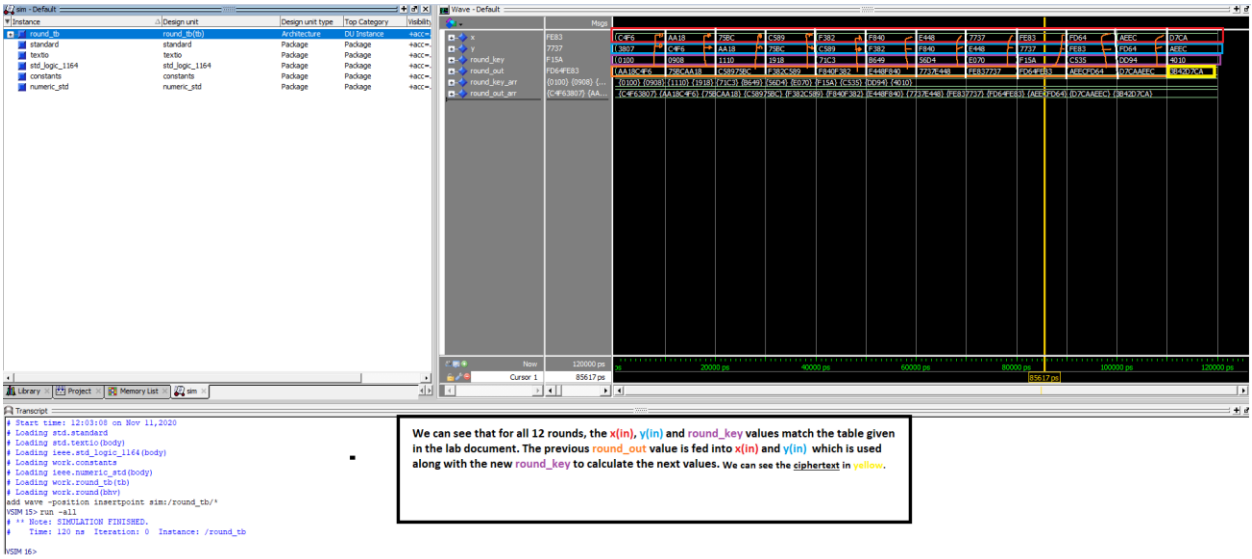

We can see that for all 12 rounds, the x(in), y(in) and round_key values match the table given in the lab document. The previous round_out value is fed into x(in) and y(in) which is used along with the new round_key to calculate the next values. We can see the ciphertext in yellow.