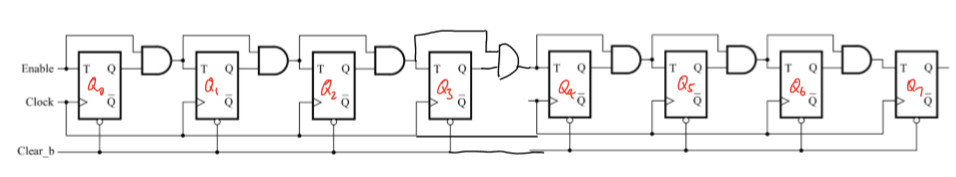
Part I:

Q1&2:

Schematic for 8-bit counter.