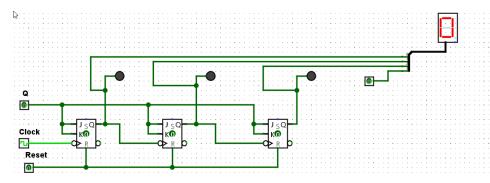
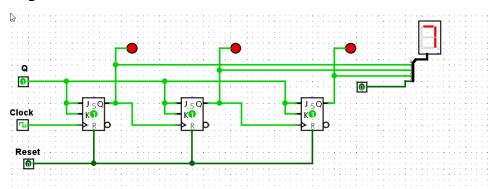
## Big Endian 3-Bit Ripple Counter

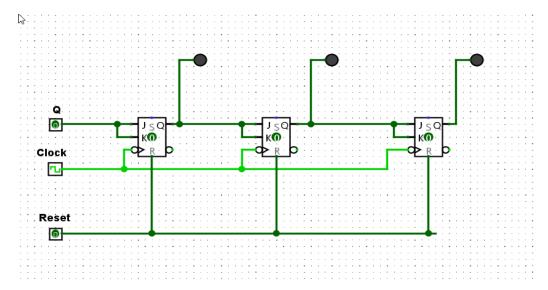


## Big Endian 3-Bit "Count down" Counter

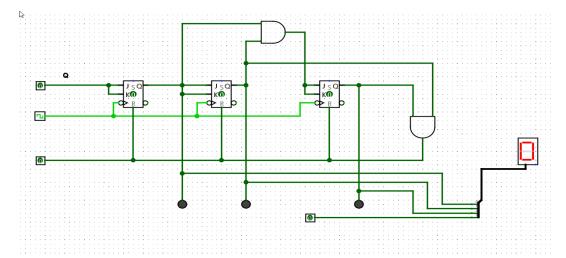


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## Common Clock



## MOD-6



10.2 Handling The illegal state is important because this state can cause problems and break the circuit. Hence by removing this we will allow the system to run smoothly without issues