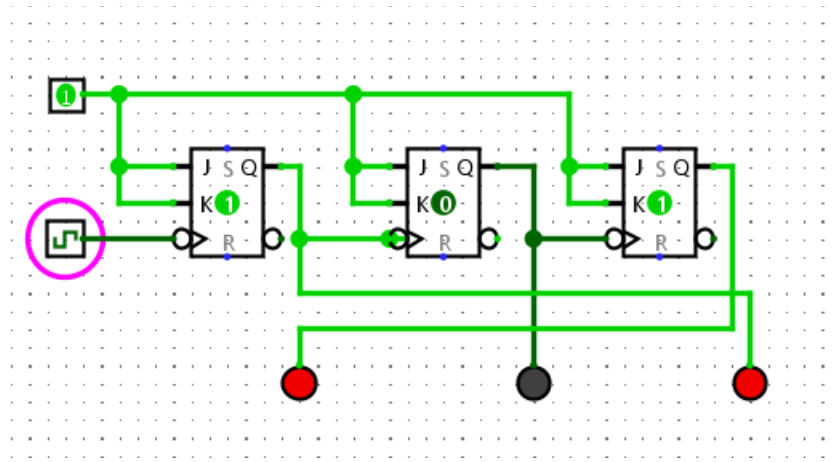


1.

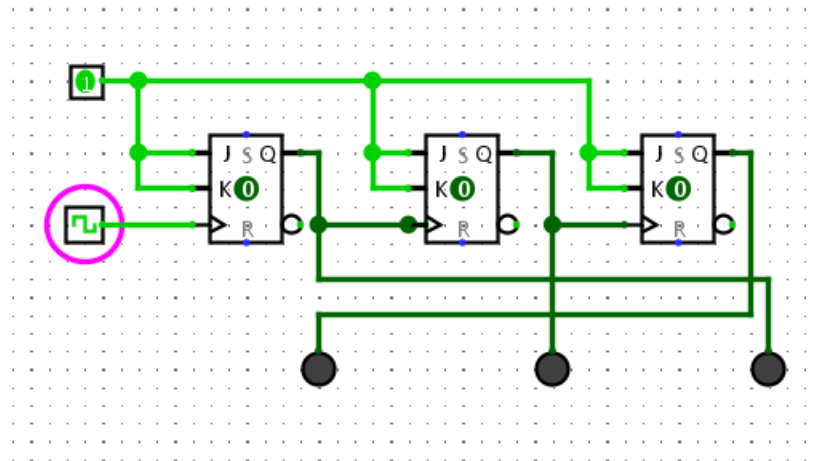
"Big-endian" refers to an ordering of bits in which the most significant bit comes first.

Bit order will be: Bit2 – Bit1 – Bit0.

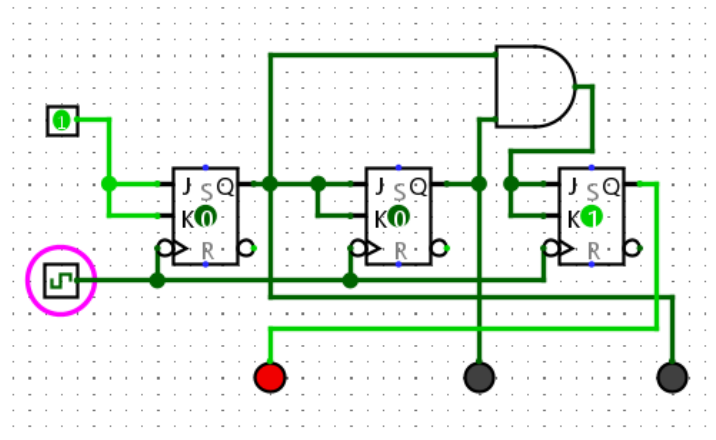
2-3.



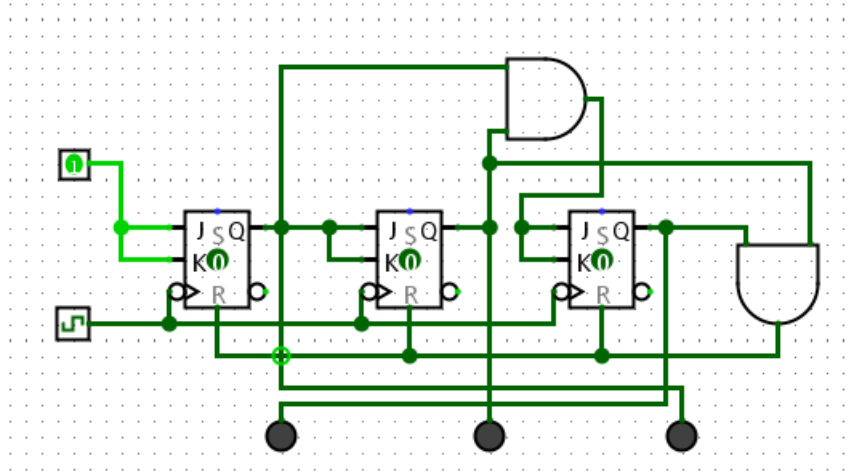
4-6.



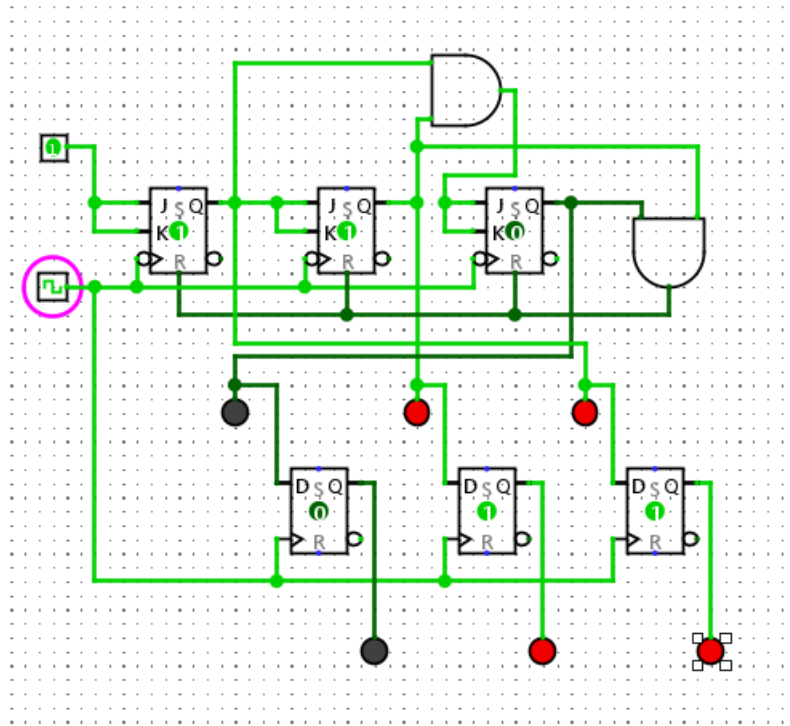
7-8.



9.



10.



10.2.

Managing issues like momentary illegal states is essential because it ensures circuit reliability, data integrity, predictability, compatibility with other systems, consistency, and prevents glitches.

11.

