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1. Big-endian 3-bit counter:

A diagram of a circuit

Description automatically generated

2. Big-endian 3-bit “count down” counter:

A computer screen shot of a diagram

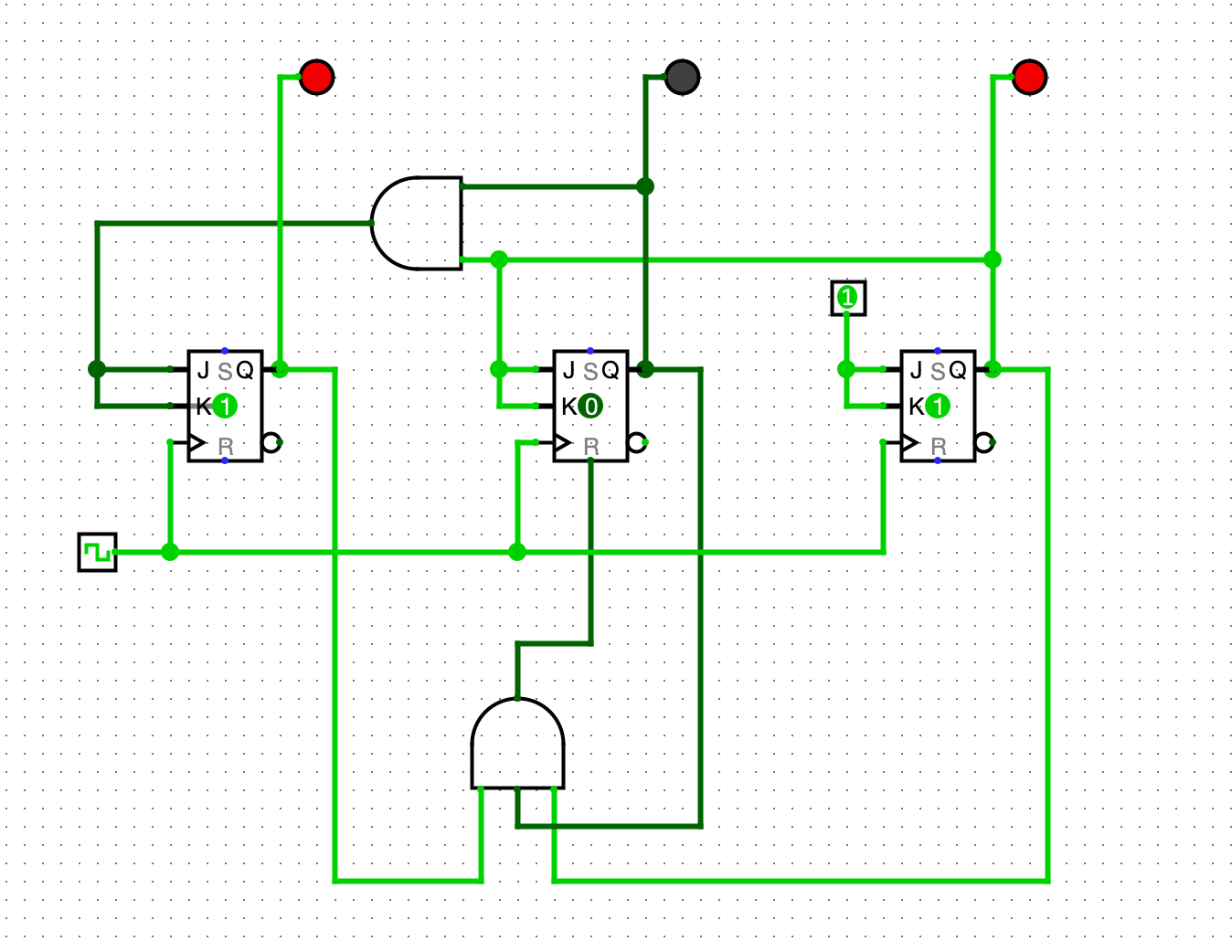
Description automatically generated

3. Common Clock big-endian 3-bit counter:

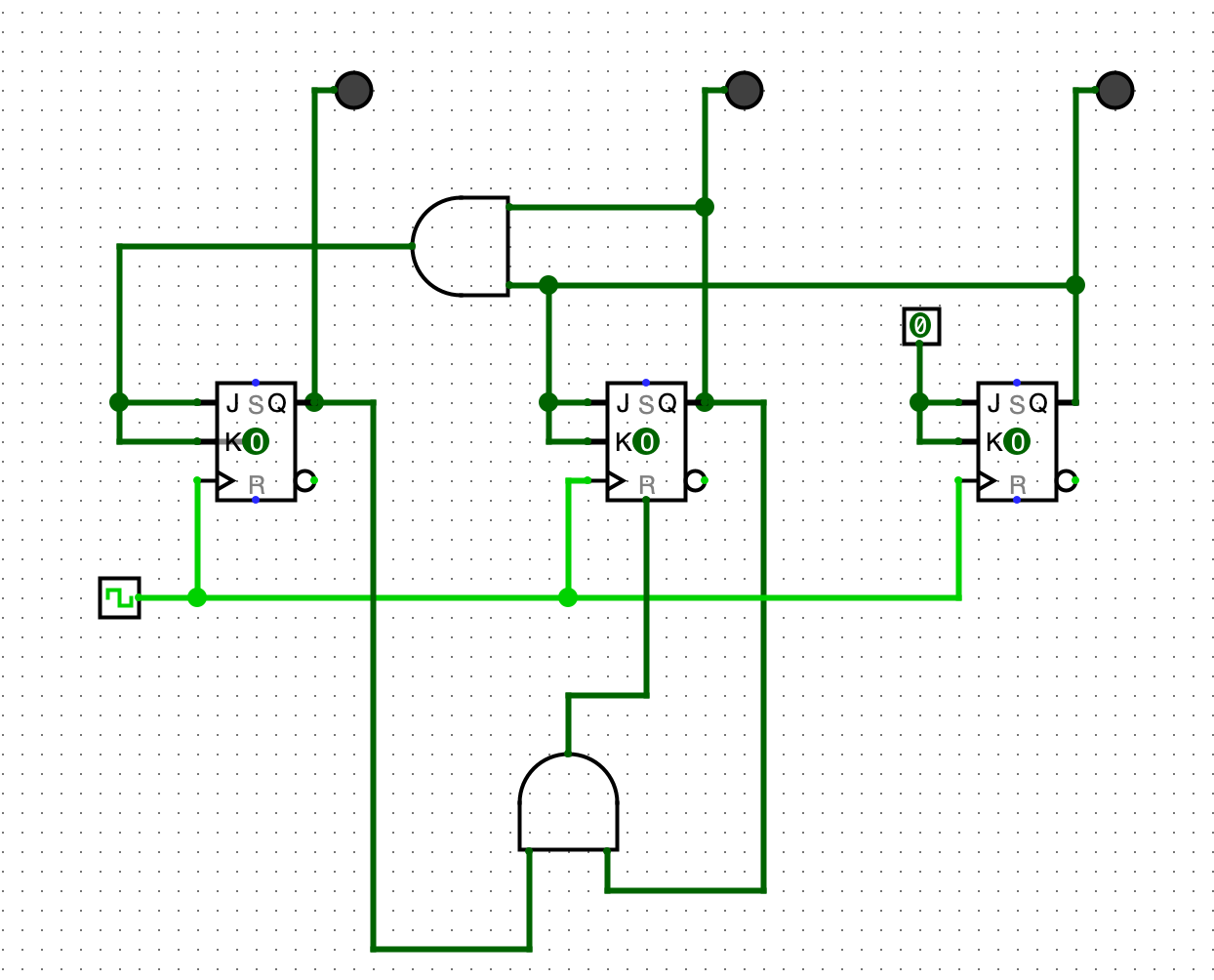
A diagram of a circuit

Description automatically generated

4. Common Clock big-endian 3-bit counter (MOD 6):



5.1. Common Clock big-endian 3-bit counter (MOD 5):



5.2. Why is handling such things important ?

In states where the counter values are not allowed, and they don't make sense, it can result in wrong data, make the system unstable, give users a bad experience, create security problems, and make troubleshooting difficult.

6. Big-endian 3-bit counter HEX display:

A diagram of a circuit

Description automatically generated