

Compare, distinguish and explain what is the difference between Combinational and Sequential Circuit. Comparison and Differences.

Difference between Combinational and Sequential Circuit

1. The circuit whose output at any instant depends only on the input present at that instant only is known as combinational circuit. The circuit whose output at any instant depends not only on the input present but also on the past output is known as sequential circuit.
2. Combinational circuits have no memory unit. Sequential circuits have memory unit to store the past output.
3. Examples of combinational circuit are half adder, full adder, magnitude comparator, multiplexer, demultiplexer etc. Examples of sequential circuits are flip flops, register, counter etc.

Steady Run