

Inputs: add1: 60s
add2: 120s
add3: 180s
add4: 300s

rst1: reset to 16s
rst2: reset to 150s

clk: 100Hz $\rightarrow \frac{1}{100}$ $f = \frac{1}{t}$ $t = \frac{1}{100}$
 $\approx 0.01s$

Outputs: val1, val2, val3, val4 \rightarrow Display digits in BCD
led_seg \rightarrow Displays the actual value fed to the 4 segments corresponding to the digits being displayed.
- AN3 to AN0
- CA to CG + DP (decimal point)

