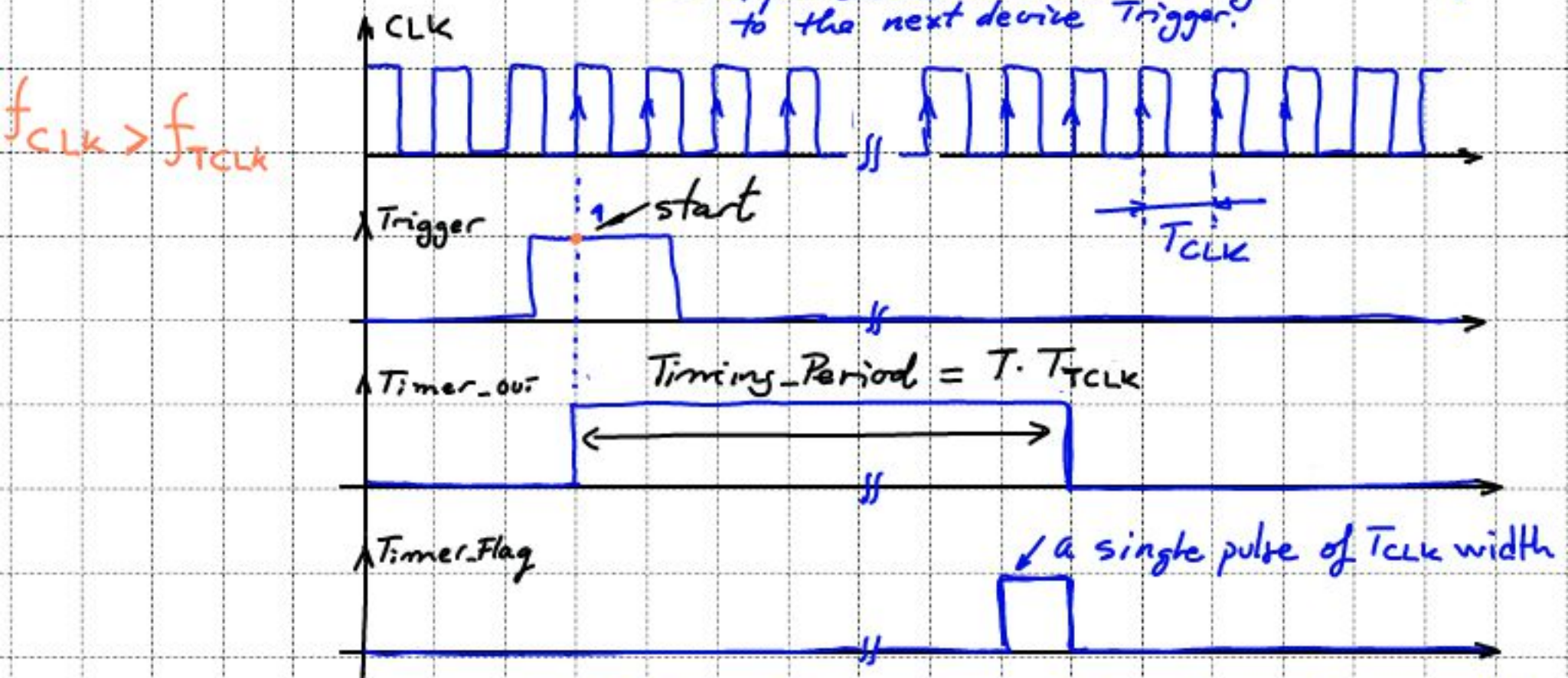


Programmable Timer of 4-channels



- $T = T_1$, or T_2 or T_3 or T_4 depending on the value of Time-Sel, any number in the range up to $2^n - 1$

For instance, if $T_1 = 133$ and $T_{CLK} = 1\mu s$
 The timer can generate a timing period of $133\mu s$

- The trigger minimum width has to be at least $> T_{CLK}$ in order to be sampled correctly and start the timing period

• If $T_{CLK} = 0.25s$ (4Hz), we can generate for $n = 8\text{ bits}$
 4 different timing periods up to $0.25 \cdot 255 = 63.75s$
 with $n = 16\text{ bits}$ → 4 hours, 33 min and 3.75s