Smart Sensors – PBL 1 – Task 3 (Calculation of blinking period)   *Group 4*

Counter Bit length (Bit used for LED state): 23
Clock frequency (HZ): 12000000

Change state every counter: 2^{23} = 8388608.

duration of a state (on/off) (s): 8388608 / 12000000 = 0.6990506666666667

period, complete cycle (s):   0.6990506666666667 * 2 = **1.3981013333333334**

frequency (hz): 1 / period = 0.7152557373046875