CLK
16MHz

T∅
T1
T2

T∅ 8bit delay millis
T1 16bit servo
T2 16bit tone

CLK 16 MHz | PRE % | FFFF
0.....65525
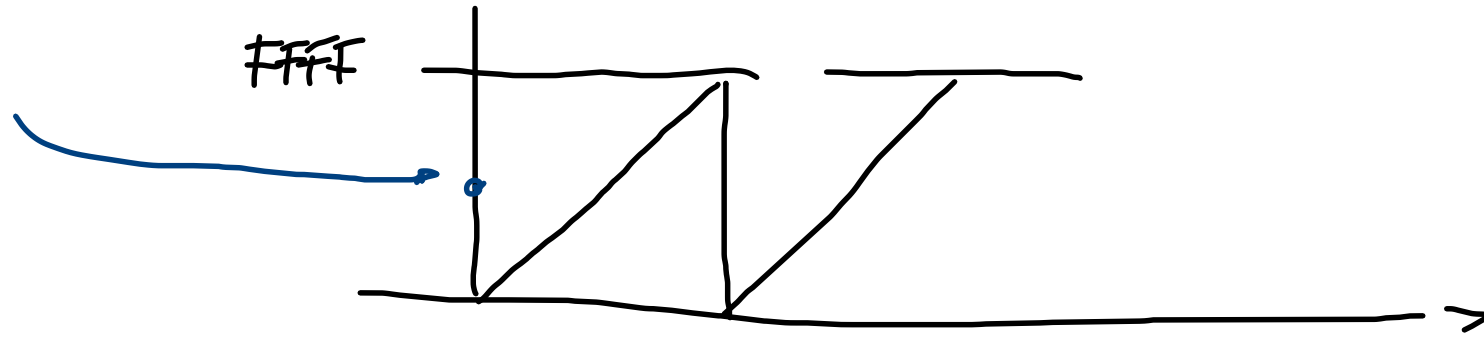| T1 |

1024
256
64
8
1
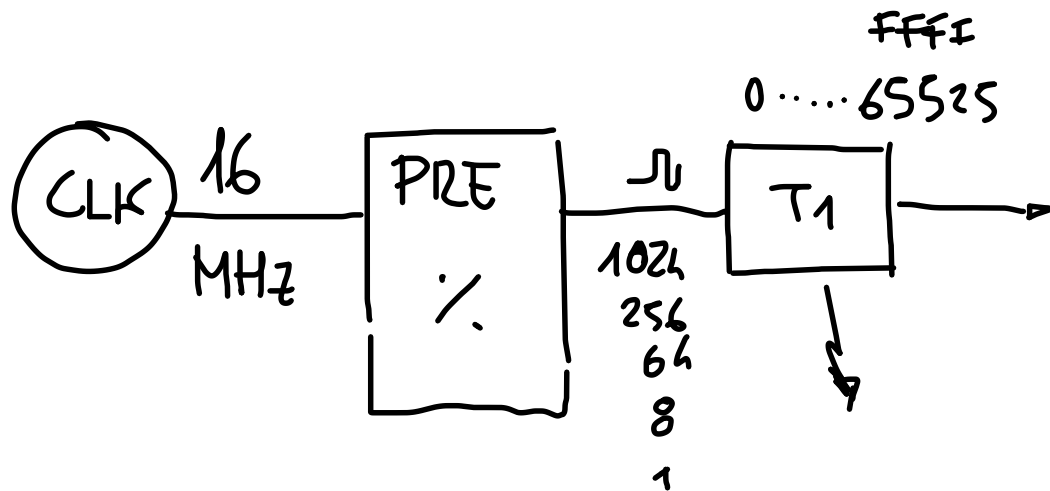
TCCR1B
TCCR1A

TCNT1

8

270
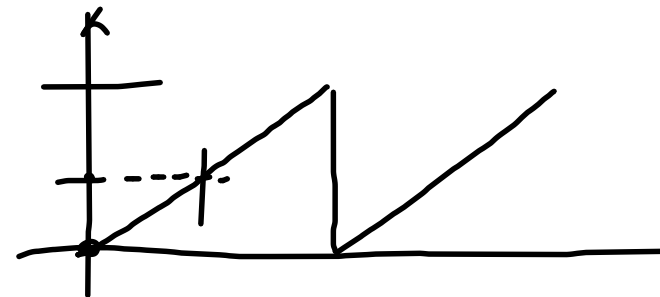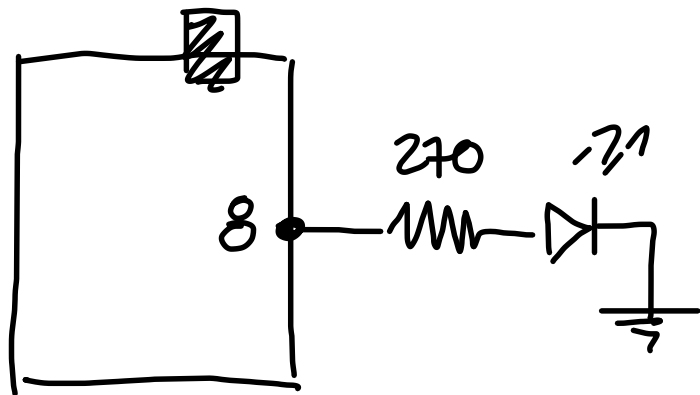
TCNT1

FFFF

$0 \rightarrow$ FFFF = 15 KHz

$f = \dfrac{1}{T}$ $T = \dfrac{1}{15 \, KHz} = 66,6 \, \mu s$

$65535 \times 66,6 \mu s = 4,36 \, s$

$2'000'000 \, \mu s \, / \, 66,6 = 30030 \, step$

$$65535 - 30030 = 35504$$
$$\downarrow$$
$$8AB\emptyset$$