



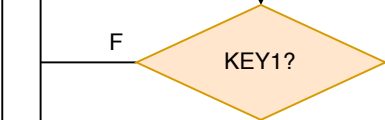
s1 <= 0 (control)  
s2 <= 0 (minute)  
s3 <= 0 (second)

Set timer prescaler to 2<sup>4</sup>

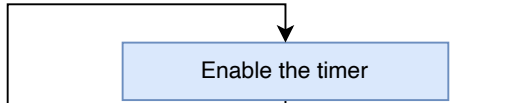
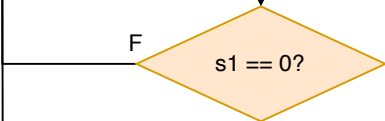
Set timer initial value to 31250



s1 <= ~s1

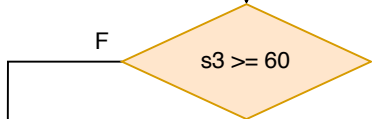


s1 <= 0  
s2 <= 0  
s3 <= 0



Disable timer

s3 <= s3 + 1



s3 <= 0

s2 <= s2 + 1

[BCD2HEX] <= s2  
[BCD2HEX] <= s3

t2 <= [BCD2HEX]  
t3 <= [BCD2HEX]

t4 <= (t2 << 16) | t3

[HEX2HEX] <= [BCD2HEX]