Derivation of initial counter value

XTAL = 16MHz → T_{xtal_clock}	= 1/16 us
Prescaler = 1:256 → $T_{counter\_clock}$	= 256 x (1/16) us
	= 16us
Counter increments needed	= 2000us / 16us
	= 125 increments
Initial counter Value	= 1 + 255 – 125
	= 131