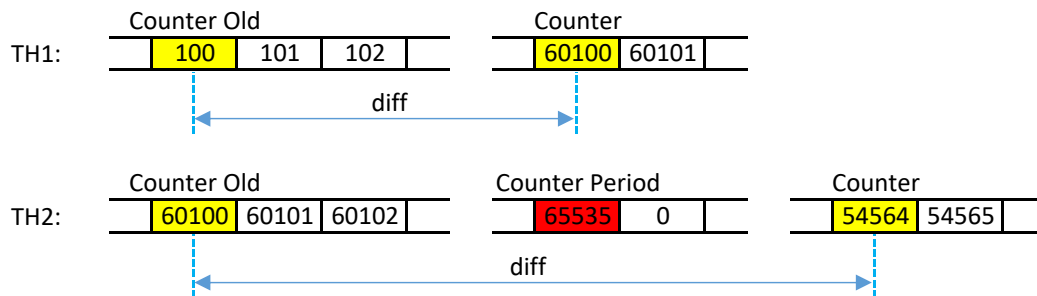
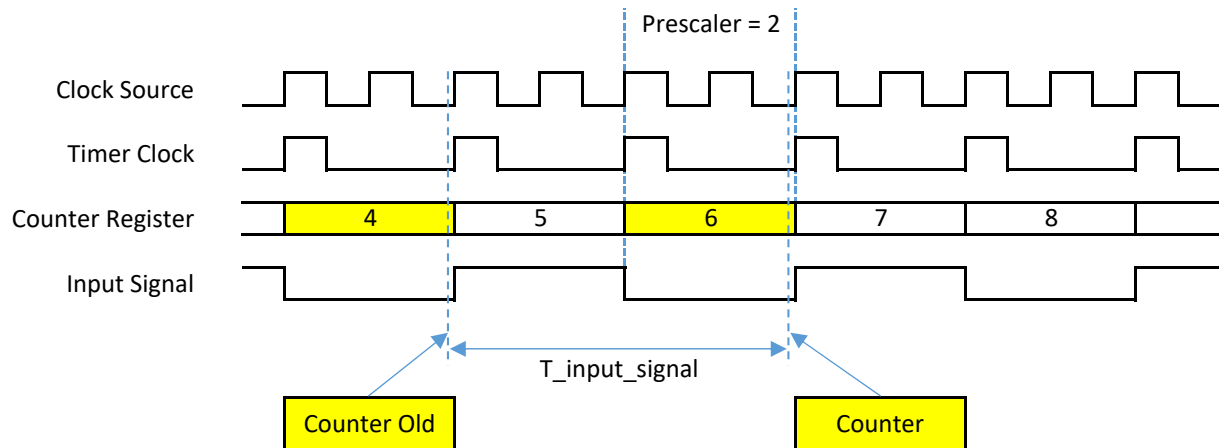
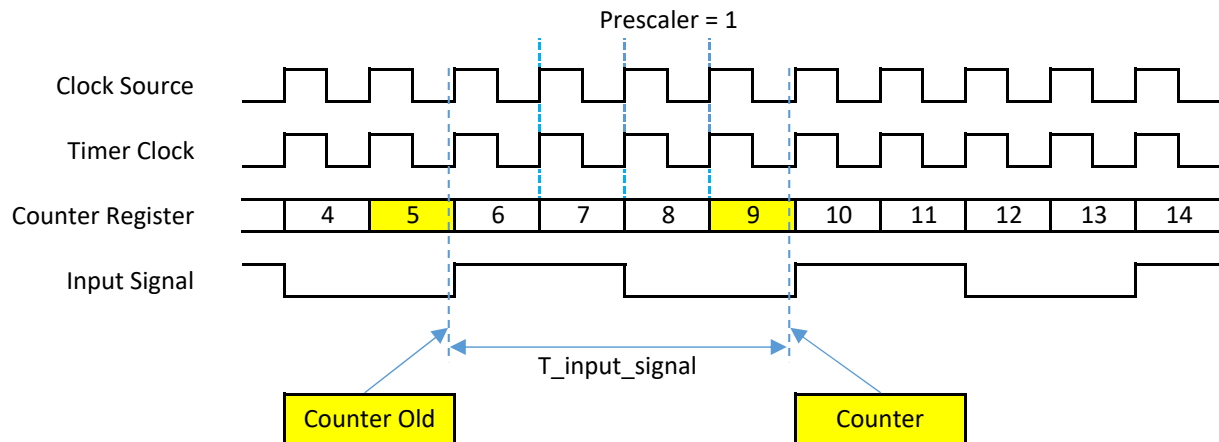


Input Capture Mode (Upcounting / Tương tự cho Downcounting)



(TH1: **Counter** > **Counter_Old**): $diff = Counter - Counter_Old$

(TH2: **Counter** < **Counter_Old**): $diff = ((Counter_Period - Counter_Old) + Counter) + 1$

$\Rightarrow T_{input_signal} = T_{timer} * diff = T_{clock_source} * Prescaler * diff$

$\Leftrightarrow f_{clock_source} = f_{input_signal} * Prescaler * diff$

Phải chọn Prescaler sao cho diff max không vượt quá 0xFFFF, nếu quá sẽ không đo được xung

Giá trị cấu hình vào thanh ghi: **Prescaler_Register = Prescaler - 1**

Giá trị cấu hình vào thanh ghi: **Counter_Period_Register = (nên để max là) 0xFFFF**