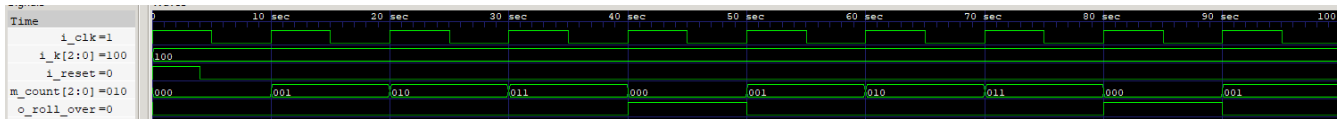
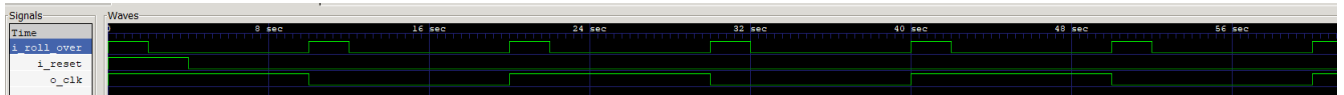


Submission 7

7.1.2



7.2.2



7.2.3

50 MHz clock input

7.2.4

2 Rollovers für einen Clock-Zyklus

Konvertieren von a nach b

$a / b = 2 * \text{Anzahl Rollovers (2 Rollovers = 1 Zyklus in B)}$

$a/b = 2 * k$

$k = a/(2*b)$

$a = 50 * 10^6 \text{ Hz}$

$b = 10 \text{ Hz: } k_{10} = 50 * 10^6 / (2 * 10) = 2.5 * 10^6$

$b = 1 \text{ Hz: } k_1 = 50 * 10^6 / (2 * 1) = 25 * 10^6$

$b = 0.1 \text{ Hz: } k_{0.1} = 50 * 10^6 / (2 * 0.1) = 250 * 10^6$