

$$\begin{aligned}
\frac{2.00-1.90}{0.0228-0.0287} &= \frac{x-1.90}{0.025-0.0287} \\
\frac{0.1}{-0.0059} &= \frac{x-1.90}{-0.0037} \\
-0.0059x + 0.01121 &= -0.00037 \\
-0.0059x &= -0.00037 - 0.01121 = -0.01158 \\
\frac{-0.0059x}{-0.0059} &= \frac{-0.01158}{-0.0059} \\
x &= 1.962711864
\end{aligned}$$