

$$\log(2) - (\log(((\text{err}_2^2 (\text{err}_2 - 1))/4 - \text{err}_1 (\text{err}_1/4 - 1/4) (\text{err}_1 - 1))/((\text{err}_2^2 (\text{err}_2 - 1))/4 - \text{err}_1 (\text{err}_1/4 - 1/4) (\text{err}_1 - 1)))$$

