Pre Lab 7

1. C is the number of samples. We can deduce that the training is The values over which d can iterate is . If C is greater than N, then we can try to iterate over windows of length N. If C is less than N, just iterate over all of
2. The correctable fine offset using Schmidl-Cox is defined as which we then add to the frame correction range d for a total of In the lab method, we can correct over the period of the training sequence, excluding the cyclic prefix.
3. To increase the range of frequency offsets, increase the length of the sequence, but include less periods. So, for example, a sequence of length 80 with 2 periods will have a greater offset correction than one of length 16 with 10 periods.