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The project now has the capability to decode YCbCr components of the first intra frame from raw H.264 bitstream, which means the following functionalities have been implemented:

- Bitstream parsing
- Intra prediction generation
- Inverse quantization
- Inverse transformation

Here is the decoded frame and reference frame of test data Foreman QCIF.



Figure 1. H.264 decoding process

The decoded information is sample values in YCbCr color space. A simple YCbCr viewer is implemented in Matlab to visualize the final result.