A Wavelet Tour of Signal Processing
Stéphane Mallat, Academic Press 1999 (2nd edition)

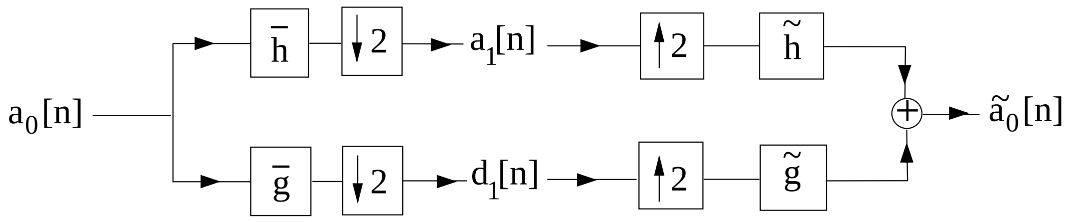

Figure 7.13: The input signal is filtered by a low-pass and a high-pass filter and subsampled. The reconstruction is performed by inserting zeroes and filtering with dual filters $\tilde{h}$ and $\tilde{g}$.