QMF banks with Unequal Passband Widths

Consider the QMF analysis filters $H_L(z)$ and $H_H(z)$ and their synthesis filters $G_L(z)$ and $G_H(z)$, respectively.

A two channel QMF bank is

Now consider a 3 channel QMF bank
This can be reconfigured as a 3 channel QMF bank. 