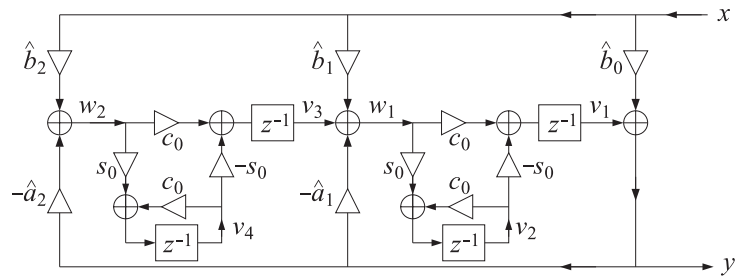


Frequency-Shifted Transposed Form



Sample processing algorithm:

for each input sample x do:

$$y = \hat{b}_0 x + v_1$$

$$w_1 = \hat{b}_1 x - \hat{a}_1 y + v_3$$

$$v_1 = c_0 w_1 - s_0 v_2$$

$$v_2 = s_0 w_1 + c_0 v_2$$

$$w_2 = \hat{b}_2 x - \hat{a}_2 y$$

$$v_3 = c_0 w_2 - s_0 v_4$$

$$v_4 = s_0 w_2 + c_0 v_4$$