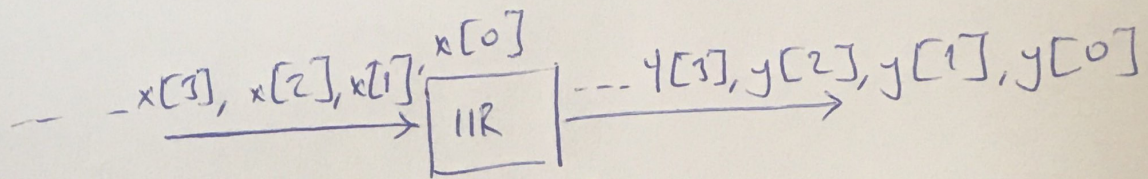


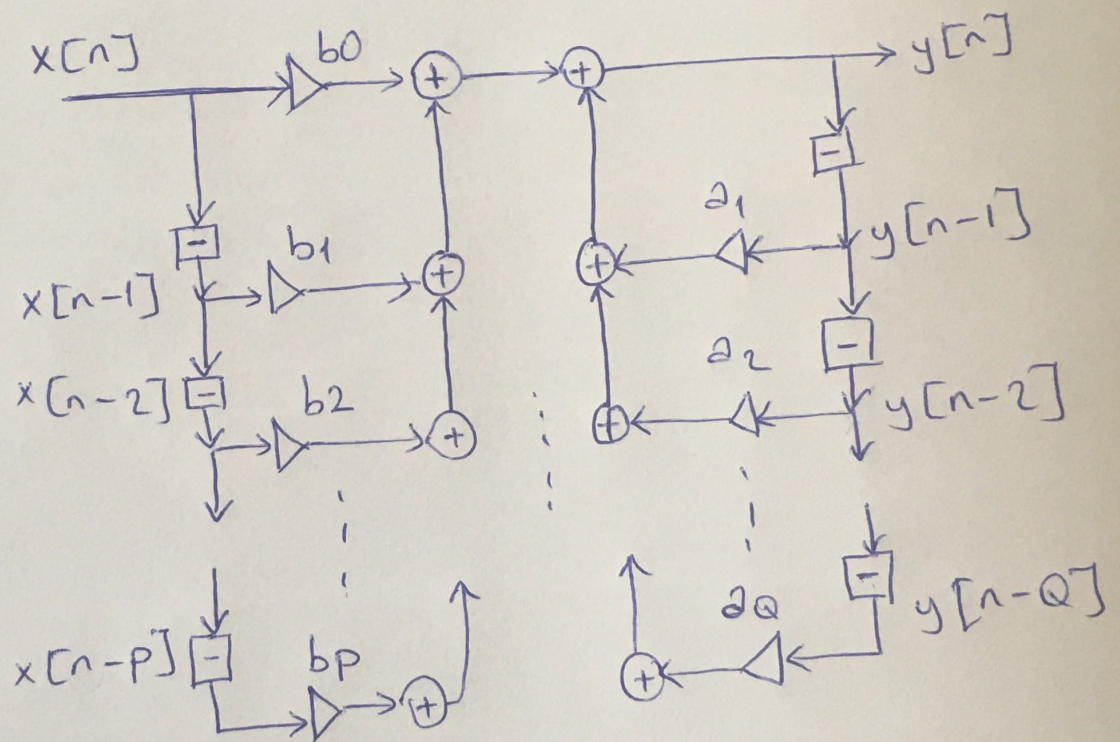
IIR Filter

Selohattan ABAKAY
(IIR filter Design)



Infinite Impulse Response

$$y[n] = b_0 * x[n] + b_1 * x[n-1] + \dots + b_p * x[n-p] \\ - a_1 * y[n-1] + a_2 * y[n-2] - \dots - a_Q y[n-Q]$$



p : forward filter order

b_i : feedforward filter coefficients

Q : feedback filter order

a_i : feedback filter coefficients