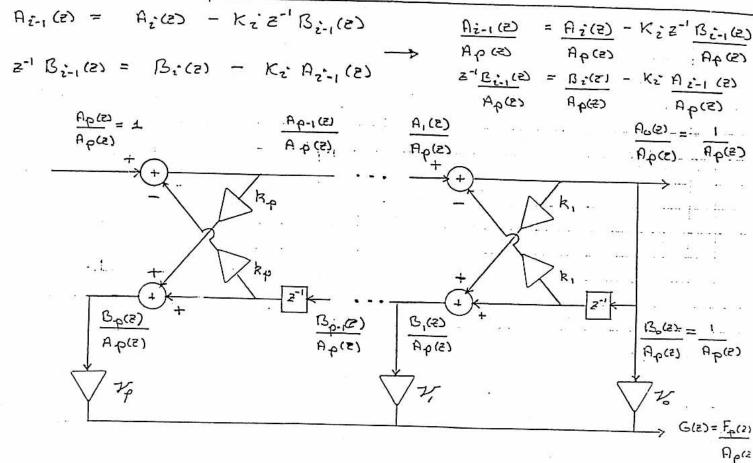
## synthesis lattece

A. Gray and I. Markel, "Digital hattice and hadder Filter Synthesis," IEEE Trans. Andio of Electroacoustice,
AU-21:491-500 (1973)



$$G(E) = \frac{F_{p(E)}}{A_{p}(E)}$$

; 
$$A_i(z) = \sum_{k=0}^{z'} a_k^{(i)} z^{-k}$$
 ;  $a_0 = 1$ 

let 
$$v_i = f_i^{(i)}$$

$$j_{0r}$$
  $j_{0r} = -p_{0r} p_{-1}, ..., 1 with  $v_{0r} = f_{0r}^{(0)}$$ 

and 
$$G(z) = \sum_{i=0}^{P} V_i \frac{B_i(z)}{A_p(z)}$$