ひあっ = Tan (B-dw) d= group de lay. 1 4H(W) = QK H(w)= Hm(w) (o) (p-dw) + j Hm(w) Sin (p-dw) XH(w) = P- 40 What are the conditions from Generalized Linear Phase: j(B-dw) acheming Linear phase? (mp ( p- dm) Sin (18-dw) positive H(v)= H=(v) Real ta (X H(w)) 1912005

How can we derive & HW) h(x) 2

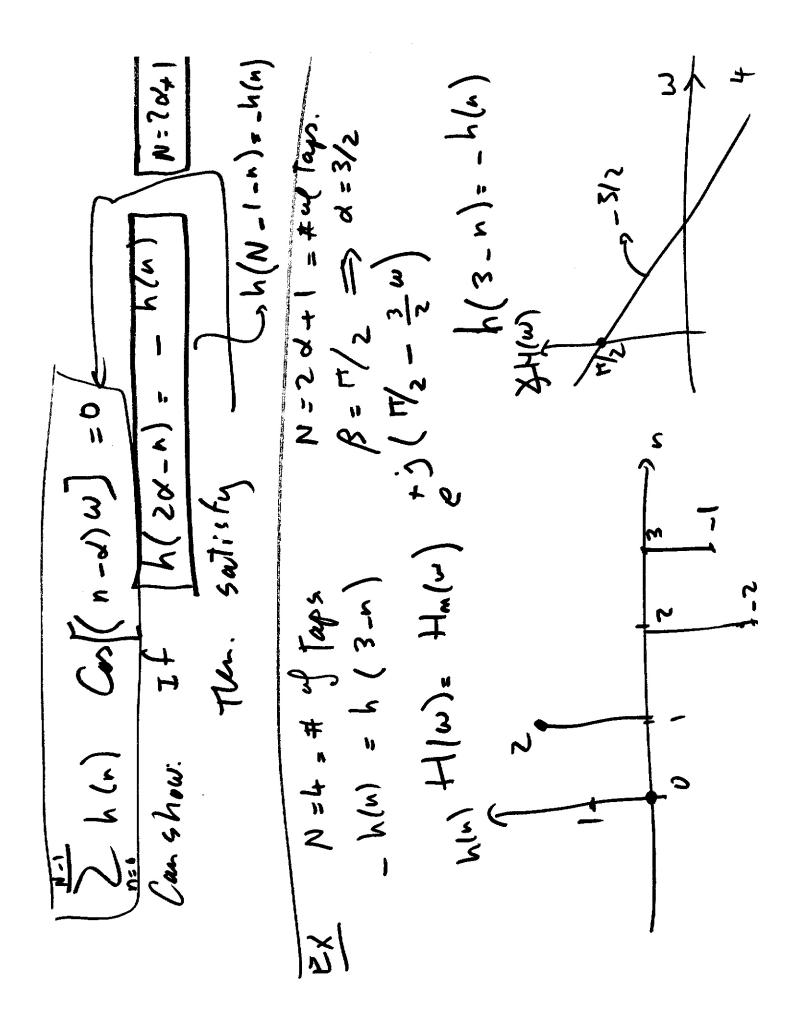
N

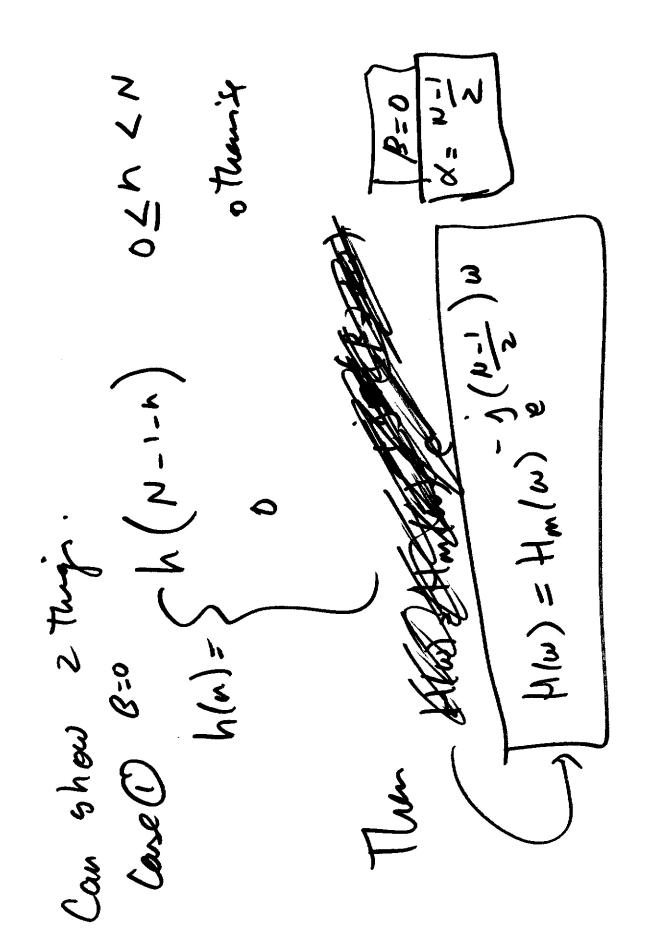
24°2 2 h(n) (m)(mn) - j Z h(n) Sin (mn) & hin con (wn) Z h(n) Sin (an) 2 h(n) e-3wn F(3)H (S) H

> 1, (h) Cos(wn) 2 h(n) Sin (wn) > heremany cond, titien (a) ( b. A w) (B- dw)

Sin (B-dw) 
$$\geq h(h) (bnun + \mathcal{R} (bn (\beta-dw))$$

$$\sum_{n=1}^{n-1} h(n) \leq h(n) \leq \ln \left( \frac{1}{2} h(n) + \frac{1}{2} \frac{1}{2} h(n) \right) \leq \ln \left( \frac{1}{2} h(n) + \frac{1}{2} \frac{1}{2} h(n) \right) \leq \ln \left( \frac{1}{2} h(n) + \frac{1}{2} \frac{1}{2} h(n) \right) \leq \ln \left( \frac{1}{2} h(n) + \frac{1}{2} h(n) + \frac{1}{2} h(n) \right) \leq \ln \left( \frac{1}{2} h(n) + \frac{1}{$$

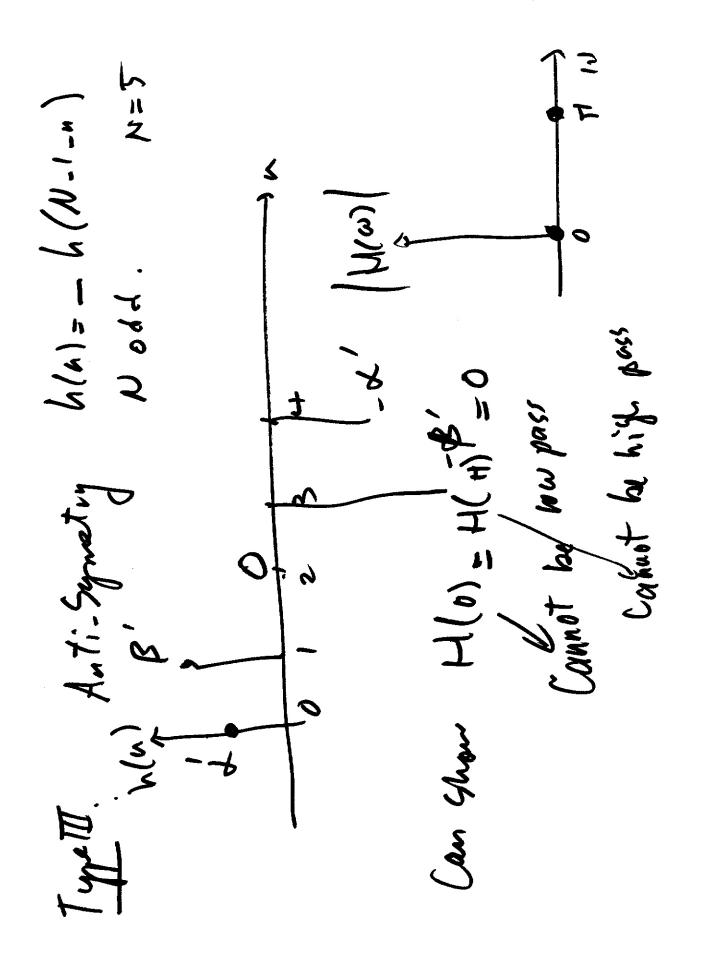




12 R=#/2 クケックラ H(w) = Hm(w) PR - 3w(m) ) (B-4W) 1 (n-1-N) n- >= (n) 4 H(w)= Hm(w) e /3 = M/2 lase 3

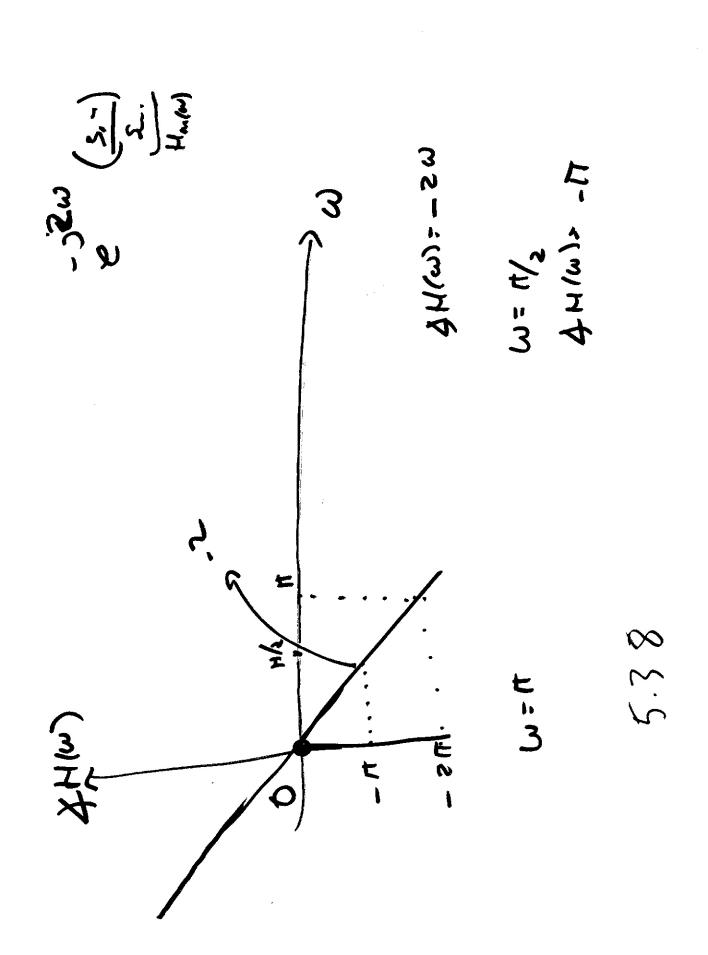
FIR -יוניסס 66 P. e ven L 1 28 ever t odd f 000

# of tap add < 4 h(n)=h( ( \ \ \ \ <u>ક</u> 5

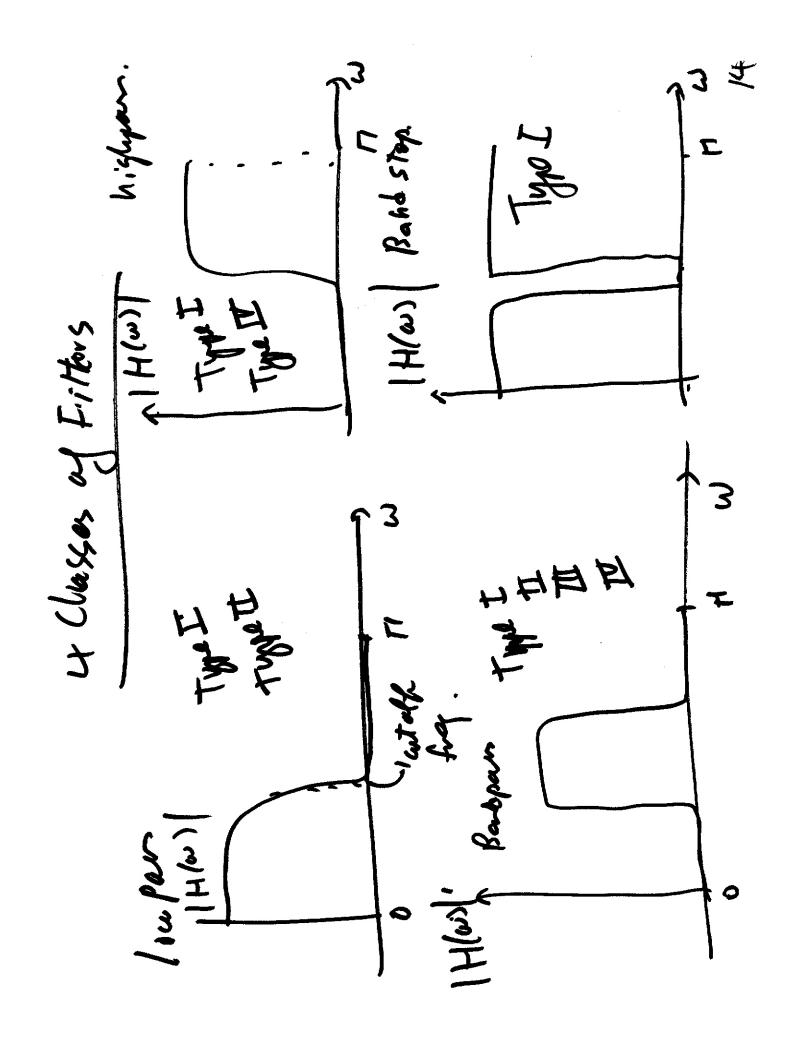


**ゴ**" B= 172 out symethy of

5.38, 5.39,5.40 165.3 198.3 h. 5×0



Constraint Halm) est	Roal	EL (m) = 0	Purely tury; H(0)=0 H(A)=0	Porely trages; H(0)=0 13
Hn (w)	Males) O Gosten	となって	7/2 2 cm 2 sin wa	2 3(r) 2 3 m (r) 2 in w (r-1)
8	0	0	7/2	Z/N
8	2/10	5/2	712	214
Z \$ 74		& 2		3
Non-transformation of the National Parks	h(n) = h(n-1-n) d	M(n) = N(n-1-n) N	h(n) = 6dd - h(n-in)	1 (2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
7.00	T aget	Tyle II	其外	Tyle II



Red 5/2,		/×	×	<b>×</b>
Sad pass				
		<b>&gt;</b>	<b>\</b>	
Low			<b>X</b>	<b>×</b>
	H	T		