1313.78 X(n)= {1,2,3,11, X,(n)= {4,3,2,21 超回粉锅3. XIn) = [XILL) X (n-K) | N Yin: Xin) 4 E XICK) XICO-KI/4) = 3+4+4+6+3= 151) McDI= YU)= 1= XIK) XIE(1-14)4) = 3+8+8+8= >= >19. EN XICK) XIC (2-K1/4) = 2+1+12+x=21 YUS) = ENXILLY XICUS-K) 14) = # 4+9+ #= 319 1.373.7.9 X(h) (M) X(n) (X(K). X(K). WN= e-3 年·K 又(1)= X(10)+ X(1)WN+ X(11)WN+ X(13)WN=-2-1 III (0) = X(4) MX + X1(1) + X1(4) + X0(3) = 7 I = X(U) + X(U) W + W X(U) W + X(U) W = 7.1 I(3) = X(11) + X(1) WN + X(1) WN + X(13) WN = -2+1 ILU) = = X2(1) = 14. X2(1) = 24. X2(2) = 2+10 ·· Y(1)= 71. 附上社. Y(1)= 本语. Y(1)= 1. Y(3)= 本好-5 y(n) = 4 = x Y(K) W, nk y(u)=16, y(1)=12, y(1)=12, y(1)=12 30} yun= 317, 19, 22, 197



P373. 7.11 Xcn >= }], 1, 1, 1, 1, 0, 0,00}. (a) X1(n)= 31, U. U. U. U. U. 1. 1. 13= X X X (n-5)[8] (b) X2(k)= Z(k)e (20,0,1,1,1,1,0,0)= X[(n-1)[8] マ(K)= 不等3不长3 1374. 7.14 (a) 4. Y(k) = X,(k). X,(k). Y(n) = X,(n) (3) X,(n). y(0) = \(\in \) 2. y(n)= {4,0,1,2,3} y(4)=3. P375, 7.23 (b) $\cdot X(n) = S(n-n_0)$, $X(k) = \sum_{n=0}^{\infty} S(n-n_0) W_N^{kn}$, $W_N^k = e^{j\frac{2\pi}{N} \cdot k}$ (c) $X(n) = Q^n$, $X(k) = \sum_{n=0}^{\infty} X(n) e^{j\frac{2\pi}{N} \cdot k \cdot n}$ $V_N^k = e^{j\frac{2\pi}{N} \cdot k \cdot n}$ = (1-0)/(1-aetx). (4=0.1,...,N1. (d)·x(n)=) v.v. x(k)= xx(n)e-ixkn = 1 e-ixkn = [1-61)K)/(1-e^{i 浸k}).

(e)·Xin)=e^{i 況kin} 又(K)= 点 e^{i 況kin} e^{-i況kn}= NS(K-Ki). I W NELK).



1 413. 8.8 N=81=123. 分三级. XIN) = 3 1, 15 15 1, 15 1, 15 1 11 3 0146 1357 当这定时间 15 37 04 76 1866种的的地域的图: X(v) Zu) WA X(2) 区(3) WK 区(4) X(5) 工(6) W£ WN 区(7) 附1. 0 < N < N-1 X(K)与XIN)有同样的点数。形如 gin)= 对3. 240 32,64. 156 对.



| 村立: y(m)= 11,-2,-3,2,1,31 , y,(m)=1ネ,-3,-4,3,-2,-2].

有2个重音: y(m)= 11,-2,-3,2,3,0,-4,3,-2,-2]