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第章 1.2.3.6.9
1, Ws = 10000 TT.
10000 IT 72 WM
   WM < 5000 TT
 ·: X(jw)在 W > 5000 下时保证为 O.
Z, Wc = 1000 TT
  采样频率 ως = 平
 .: Wsa = 4000 TT Wsb = 1000 TT Wsc = 20000 TT
WM=1000 TI 阿厚於 Us > 2000 TI
 .: a, c可以得到恢复.
3, (a). IW/ 4000TT Df. X(i) = 0
         · @茶鲜特为8001.
  (b) |w|>400011时, X(ju)=0
  (c) X(t) = \left(\frac{\sin 4\cos \pi t}{\pi t}\right) \left(\frac{\sin 4\cos \pi t}{\pi t}\right)
       为三角没
     [W] > 8000 TI of , Xiju) = 0
    · 秦奎斯特幸为16000 TT
6. W(t) = X, (t) . X2(t)
   Wyw = 577 X, (jw) * X2 (jw)
  |w| > W,+W2 pt
  Wijw = 0.
  : Ws = 2 ( W1+ W2)
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