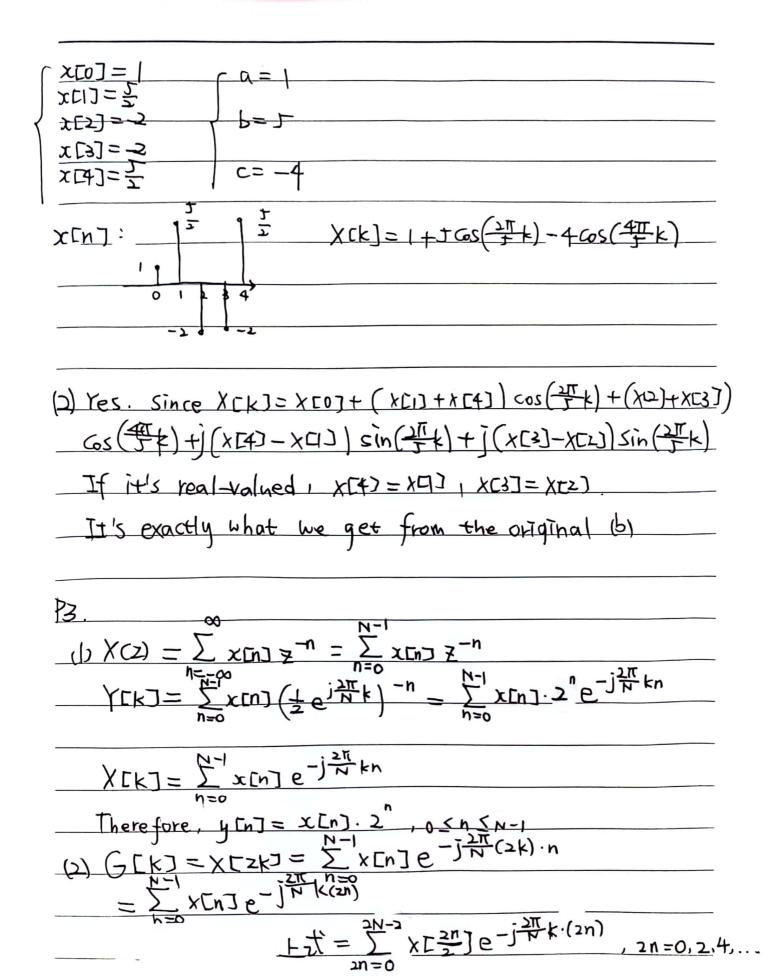
-j(21C/N) kn kn kn [m x WENTX WENTX



```
XCK]= $\frac{7}{x}cn]Wh = \frac{1}{x}cnje^{-j\frac{27}{N}kn}
3 m)fu
                            x [h] W 3h = \( \frac{1}{3} \text{kn} = C | + e - \frac{1}{3} \text{kn} \)
          ([) \times [0] - \times [1] + \times [2] - \times [3] + \times [4] = 1
                a + b + c
                2[2] = X[0] 3+X[1]x2+X[2]=3
               ハニナ
               X[0]= +[0]+x[1]+x[2]+x[2]+x[2]+x[4]==
               \chi(k) = \frac{4}{2} \times (kn) \cdot e^{-j \frac{2\pi}{5} \cdot kn} = \times (kn) \cdot e^{-j \frac{2\pi}{5} \cdot k} + \chi(kn) \cdot e^{-j \frac{2\pi}{5} \cdot k} + \chi(kn) \cdot e^{-j \frac{2\pi}{5} \cdot k}
                       + x [3] e-j=1-3k + x[4]e-j=1-4k
                      = x[0]+ x[1]-[cos(-]+)sin(-]+x[2]-[cos(-]+)
                      + |sin(- $\frac{1}{2} \right] + x[3] [cos(-\frac{5\tau}{2} \right) + |sin(-\frac{5\tau}{2} \right)] +
                     x[4][ cos(-8th/+)+Jsin(-8th/)
                 =x(0)+(x(1)+x(4)) (0)(2)(+(x(5)+x(3)) (0)(4)(+)
                X[1]=X[4], X[1]=X[3]
```



 $(z) = \begin{cases} x(\frac{n}{2}), n = 0, z, ..., z_{N-2}, \\ 0, 0, \omega. \end{cases}, \text{ similarly, } h(n) = \begin{cases} x(\frac{n-1}{2}), n = 1, 3, \\ 0, 0, \omega. \end{cases}$