[Asmon 3]

a) 
$$f[K \Delta \epsilon] \rightarrow T$$
  $K = 0, 1 \dots N - 1$ 
 $h[K \Delta \epsilon] \rightarrow T$   $K = 0, 1 \dots N - 1$ 
 $f[K] * h[K] = \sum_{i=0}^{N-1} f[i] \cdot h[K-i] \Delta \epsilon$ 
 $f[K] * (chi + d \cdot h_2) [K] =$ 
 $f[K] * (chi + d \cdot h_2) [K] =$ 
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 $f[K] * (chi + d \cdot h_2) [K] =$ 
 $f[K] * (chi + d \cdot h_2)$ 

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Agenon 3

B)

Form n arodoubla S(n), n = 0, 1, \dots N - 1 (N 7/1)

F(K) = \sum_{n=0}^{N-1} f(n) \cdot e^{-\frac{2\pi i n K}{N}}, \quad K = 0, 1, \dots N - 1

To F(K) opiSetal ws Dialpito's Metasynhation's Found (DFT)

Form P = \frac{-2\pi i n K}{N}

OFTEX (n) = axs (n) + Bx_2(n)
x(n) = \sum_{n=0}^{N-1} (axs(n) + Bx_2(n)) \cdot e^{p} = \sum_{n=0}^{N-1} ax_1(n) \cdot e^{p} + \sum_{n=0}^{N-1} bx_2(n) \cdot e^{p} = \sum_{n=0}^{N-1} ax_1(n) \cdot e^{p} + B \cdot \sum_{n=0}^{N-1} x_2(n) \cdot e^{p} = \sum_{n=0}^{N-1} ax_1(n) \cdot e^{p} + B \cdot \sum_{n=0}^{N-1} x_2(n) \cdot e^{p} = \sum_{n=0}^{N-1} ax_1(n) \cdot e^{p} + B \cdot \sum_{n=0}^{N-1} x_2(n) \cdot e^{p} = \sum_{n=0}^{N-1} ax_1(n) \cdot e^{p} + B \cdot \sum_{n=0}^{N-1} x_2(n) \cdot e^{p} = \sum_{n=0}^{N-1} ax_1(n) \cdot e^{p} + B \cdot \sum_{n=0}^{N-1} x_2(n) \cdot e^{p} = \sum_{n=0}^{N-1} ax_1(n) \cdot e^{p} + B \cdot \sum_{n=0}^{N-1} x_2(n) \cdot e^{p} = \sum_{n=0}^{N-1} ax_1(n) \cdot e^{p} + B \cdot \sum_{n=0}^{N-1} x_2(n) \cdot e^{p} = \sum_{n=0}^{N-1} ax_1(n) \cdot e^{p} + B \cdot \sum_{n=0}^{N-1} x_2(n) \cdot e^{p} = \sum_{n=0}^{N-1} ax_1(n) \cdot e^{p} + B \cdot \sum_{n=0}^{N-1} x_2(n) \cdot e^{p} = \sum_{n=0}^{N-1} ax_1(n) \cdot e^{p} + B \cdot \sum_{n=0}^{N-1} x_2(n) \cdot e^{p} = \sum_{n=0}^{N-1} ax_1(n) \cdot e^{p} + B \cdot \sum_{n=0}^{N-1} x_2(n) \cdot e^{p} = \sum_{n=0}^{N-1} ax_1(n) \cdot e^{p} + B \cdot \sum_{n=0}^{N-1} x_2(n) \cdot e^{p} = \sum_{n=0}^{N-1} ax_1(n) \cdot e^{p} + B \cdot \sum_{n=0}^{N-1} x_2(n) \cdot e^{p} = \sum_{n=0}^{N-1} ax_1(n) \cdot e^{p} + B \cdot \sum_{n=0}^{N-1} ax_1(n) \cdot e^{p} = \sum_{n=0}^{N-1} ax_1(n) \cdot e^{p} = \sum_{n=0}^{N-1} ax_1(n) \cdot e^{p} + B \cdot \sum_{n=0}^{N-1} ax_1(n) \cdot e^{p} = \sum_{n=0}^{N-1} ax_1(n) \cdot e^{p} + B \cdot \sum_{n=0}^{N-1} ax_1(n) \cdot e^{p} = \sum_{n=0}^{N-1} ax_
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