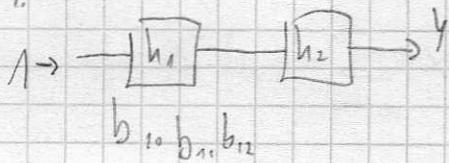


16-06-09

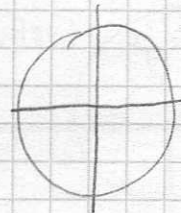
1.



$$2. X[k] = \sum_{n=0}^{N-1} x[n] \cdot W_N^{kn}$$

$$W_N = e^{-j \frac{2\pi}{N}}$$

$$(W_N^{kn} = e^{-j \frac{2\pi}{N} kn})$$

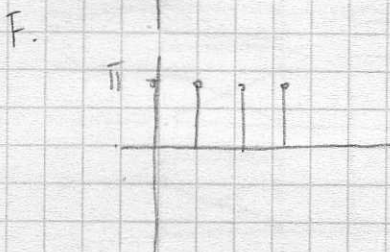
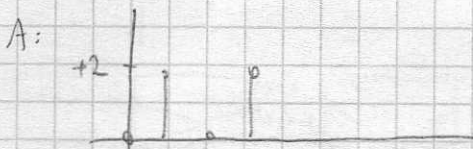


$$X[0] = -1 \cdot 1 + 0 \cdot 1 + 1 \cdot 1 + 0 \cdot 1 = 0$$

$$X[1] = -1 \cdot 1 + 0 \cdot (-j) + 1 \cdot (-1) + 0 \cdot j = -2$$

$$X[2] = -1 \cdot 1 + 0 \cdot (-1) + 1 \cdot (+1) + 0 \cdot (-1) = 0$$

$$X[3] = -1 \cdot 1 + 0 \cdot (+j) + 1 \cdot (-1) + 0 \cdot (-j) = -2$$



3. Tablica za e transf.

5. Dec. po ...