Procesamiento digital de señales

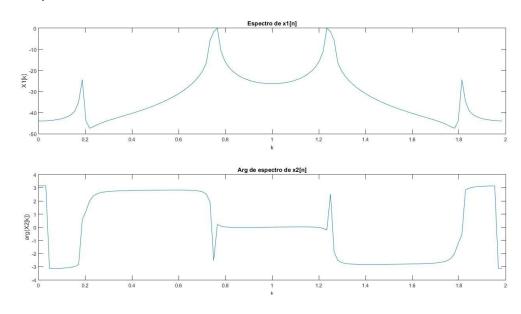
Análisis espectral



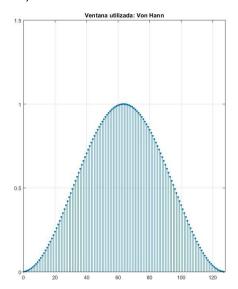
Integrantes:

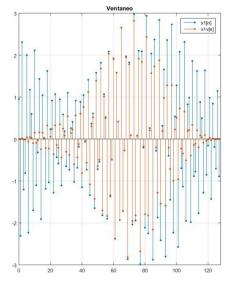
- Barco Valentín
- Estrada Anselmo

1 - a)

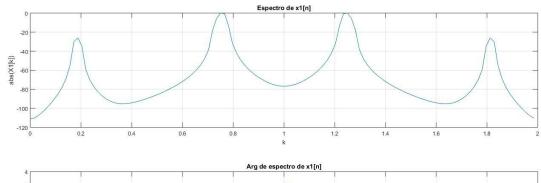


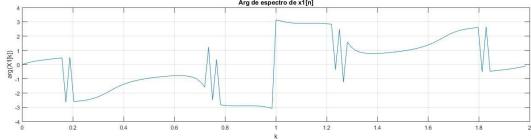
1 - b) Ventaneo



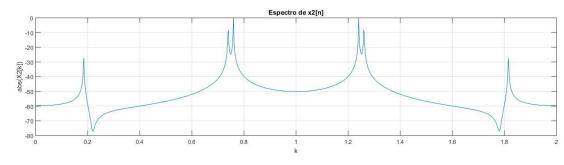


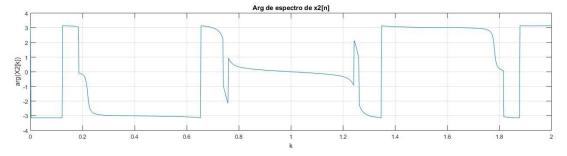
1 - b)



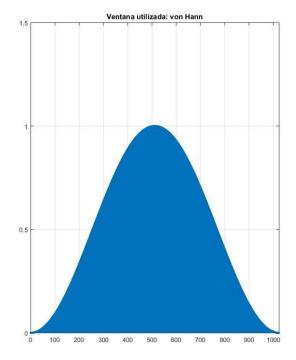


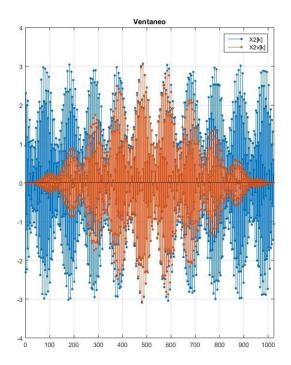
1 - c)



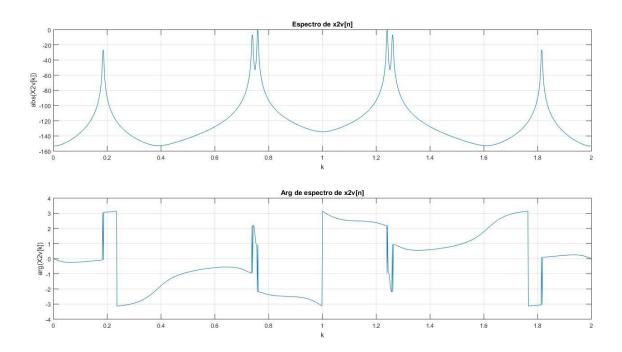


1 - d) Ventaneo

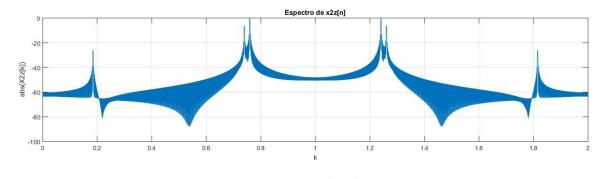


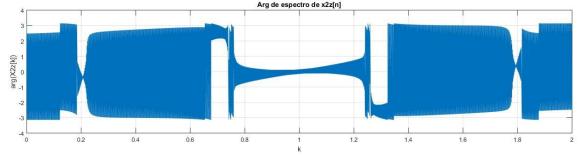


1 - d)

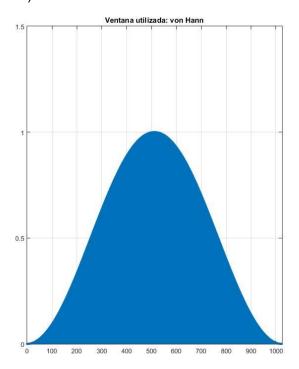


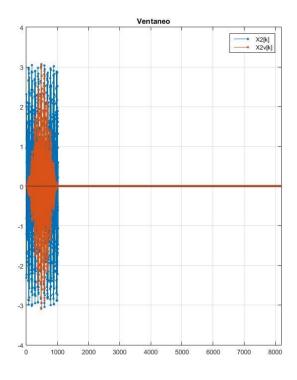
1 - e) Con padding



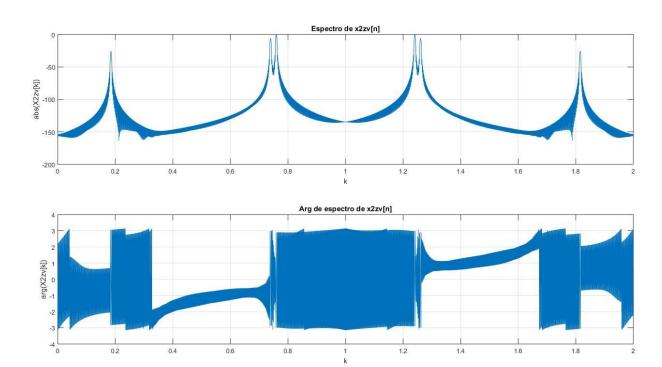


1- f) Ventaneo

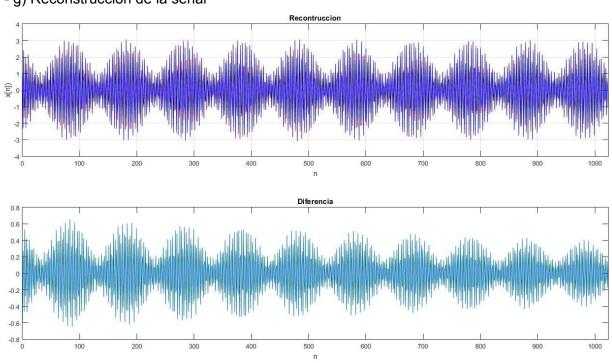


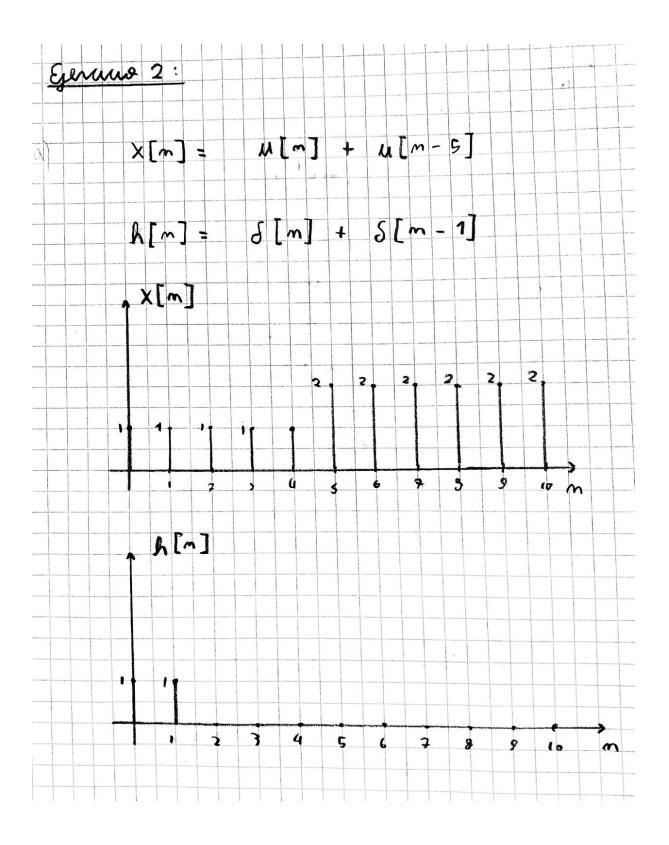


1 - f) con padding y ventaneo



1 - g) Reconstrucción de la señal



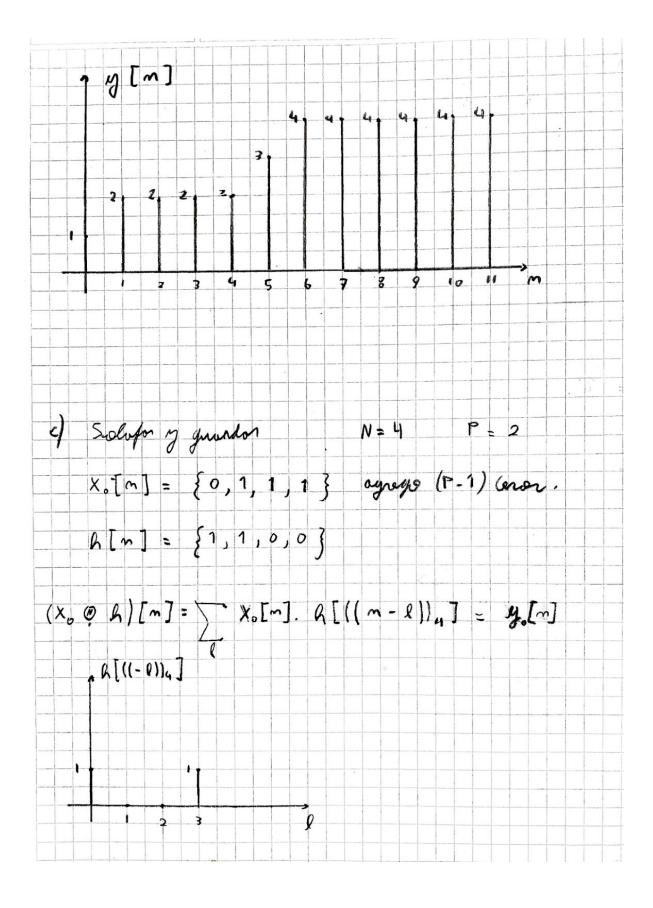


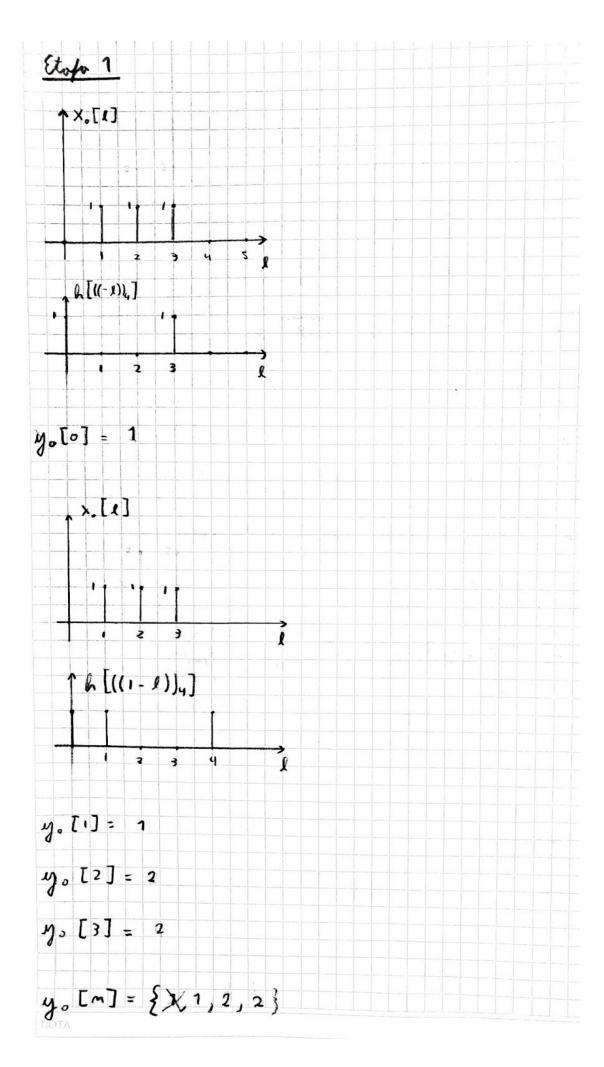
$$y[0] = \sum_{k} A[k] X[0-k] = 1$$

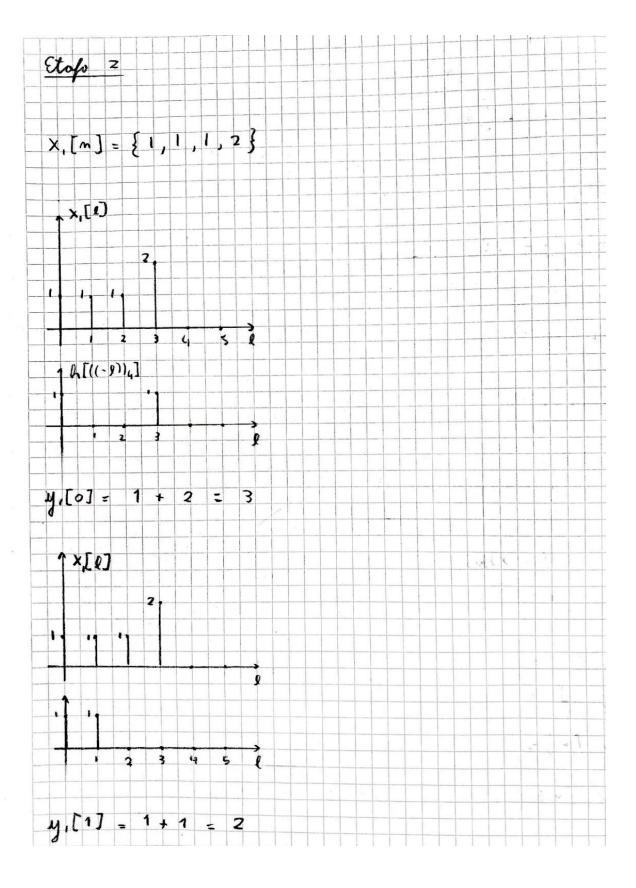
$$y[1] = \sum_{k} h[k] X[1-k] = 2$$

$$y[5] = \sum_{k} h[k] \times [5-k] = 2+1=3$$

 $y[6]$ on odelant = $2+2=4$







$$y, [2] = 1 + 1 = 2$$
 $y, [3] = 1 + 2 = 3$
 $y, [m] = \{x, 2, 2, 3\}$
Etujo 3
$$x_{2}[m] = \{2, 2, 2, 2\}$$

$$x_{3}[m] = \{2, 2, 2, 2\}$$

$$x_{4}[m] = \{x, 2, 2, 2\}$$

$$x_{5}[m] = \{x, 2, 2, 2\}$$

$$x_{7}[m] = \{x, 2, 2, 2\}$$

$$x_{1}[(x-k)]_{4}[x_{1}]$$

$$x_{2}[x_{2}] = 2 + 2 = 4$$

