OY-CUI-UR

Det an inge in Fython see note Look

1 Convolution

a) Commutative property
$$(h*f) [x] = \sum_{i=0}^{N-1} h_i f_{x-i} = \sum_{i=x}^{N-1} h_{i-x} f_{-i} = \sum_{i=x-(N-x)}^{N-1} h_{i-x} f_{-i} = \sum_{i=x-(N-x)}^{N-1} h_{i-x} f_{-i}$$

"Valid" [1 1 -1 0 0 0 1]

7000 -111 1 -100010;

c) Implementation see note book

Separable: 0 9x1x1 * 1x25x1 * 1x1x25 herrel

3,6,5 see Lofe book