Experiment 4: Linear Convolution and Circular Convolution.

Pre Lab

Define Linear Convolution Den Lineau Convoldion it a mathematical operation du b calculate the output of any Rineau time binvacient system, given its input God impulse response. It is applicable for the born Continues and disade time signal represents you) = xon + hon),

Peline City for Convolution

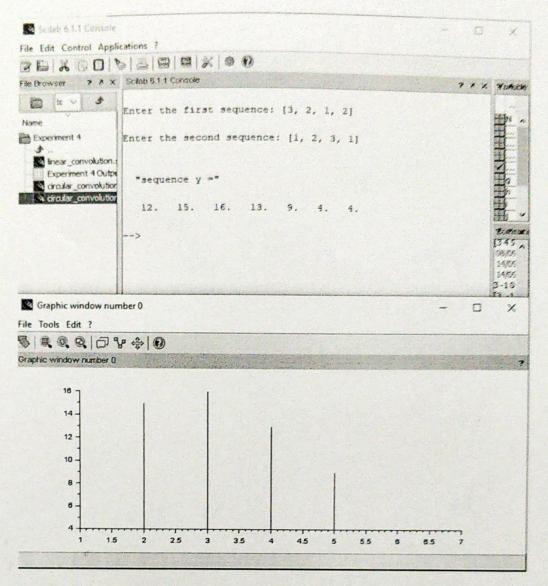
It is also known as cyclic Convolution, which is the Convolution of two periodic function that have the same period multiplication of two sequences in frequency tomain is called as a convolution.

What is Convolution property of DFT?

Jula-

The Circular Convolition property gottle that, if xi cn) Eg zi (h) and X2 (n) et 34 (k) then.

MGCN (P) X2 CN (F) 2C, (K) SE2 CH) N it Means that Circular Consolation of 24 cm) and Ne cm) is



RESULT:

Linear and Circular Convolution of two infit begreence Using Scilab were obtained and output was verified Advance Advance 27-9-2022