

SNS COLLEGE OF ENGINEERING



(Autonomous)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

UNIT-I

Discrete Fourier Transform

Filtering Methods based on DFT-Overlap Add Method



OVERLAP ADD METHOD !

seril the samples of the impulse sesponse his see M.



And N = Ls+M-1

step 2: show sequence xin is divided into

STEP 31

sach fock consist of I now data

STEP.4 !

to naturewise conversión of

yim = xim @ hm.

STEP.6:

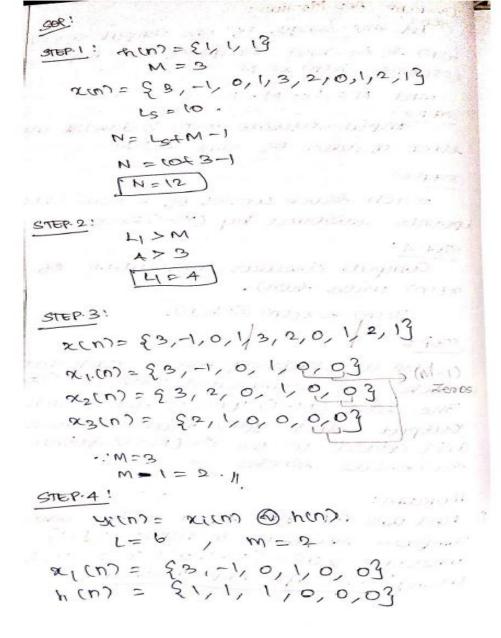
successive secretary since each data stack is its imminated with (M-1) reves. The each (M-1) theints trem each output shock it in must be evolupped and added to the 1st (M-0 ippints of successive shocks.

PROBLEM!

Find who old years of a filter whose is full = $\{3, -1, 0, 1, 3, 2, 0, 1, 2/13\}$. Using everlap add mathod.

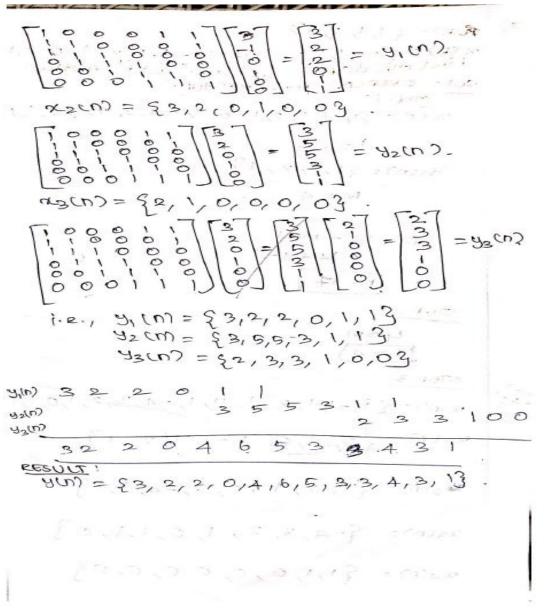
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Thank You!