Nawae Start warp Complex rundes. once, even a real matrix, con hive Cayolex & values What do you do, when numbers became Carplex nunsers Wast happens when westers are Carplex, or matrices as Complex interpreduct or desproduct of two Carpox Vectors. =): What will be the Change. Most Disputant Example of Compress Malines. Cans in Fourier maily. The most Imp Cosplex malys

- Fost Forner Tansform (FFT)

- used in thousand places.

transformed whole industres 2= 21 in C1 = in Complex space.
Lin longh: New Z72 is no good. (No byerin Rn) of hampse: [21, 22-- In] (But Not Cornect. Remember Leight Squared should be positive tout would zite --?? But French need 2 Contrigute. ZZ= is good.
Z= is good.

For and will give a positive Congrh

Eg [-i] [i] = & 1+1=2.

ine april to do both

2+2

Hermitani (Hermita)

= 12/2/2+-+12/2

Chove is Conghet Squared

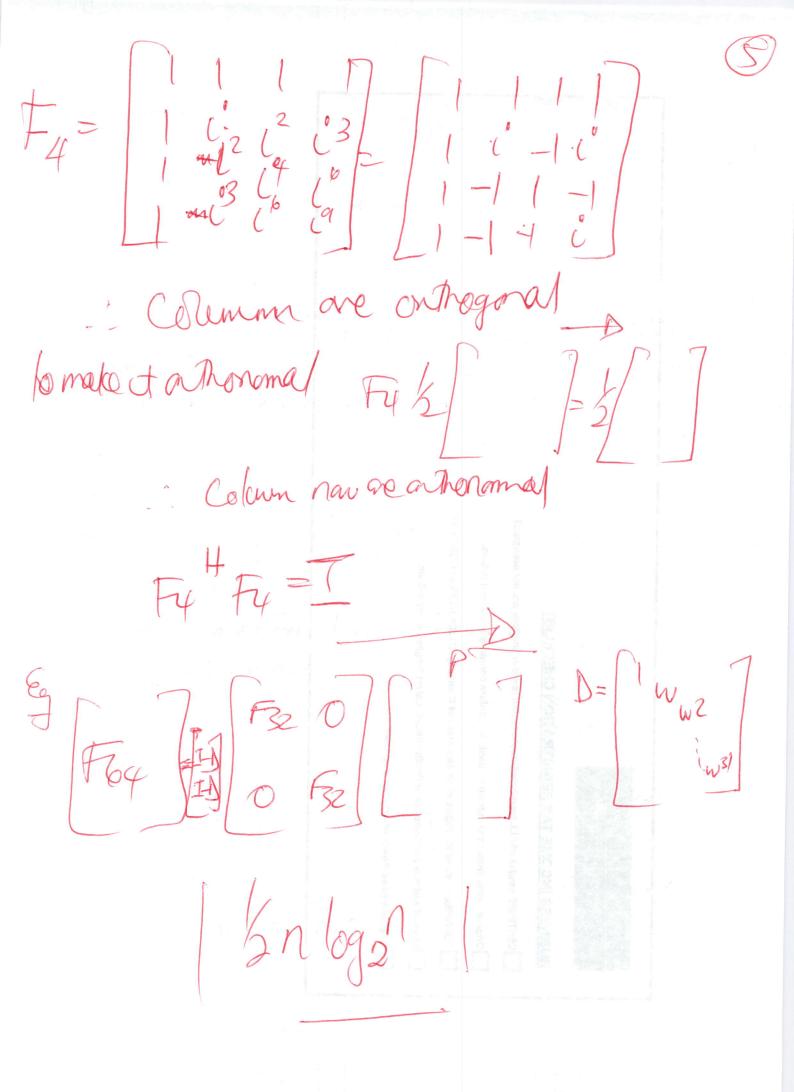
Where more product? They should match. flor lear red to be: yTX Carplex recta_row: ytx Symmetre maters AT=A [reallectors] Bud Carplex! AT=A= 2 3+i Hernitari Matris 3-i 5

Hernitari Matris 3-i 5

O Real Elvetus

2 1 Elvectors Repedicula Motor (Real): 9,92--9n
New Joy; = 10' (7)
1 = 1

Creek metrixant of $Q = \begin{bmatrix} q & q & q \\ 1 & 1 & 2 \end{bmatrix}$ Q Q = I orthongund morther. Unitary Metrix. · QHQ=I Matry hours all around Note 10 Fix Contin



N = 1024 = 210 $1000 \times 1000 \times 100$