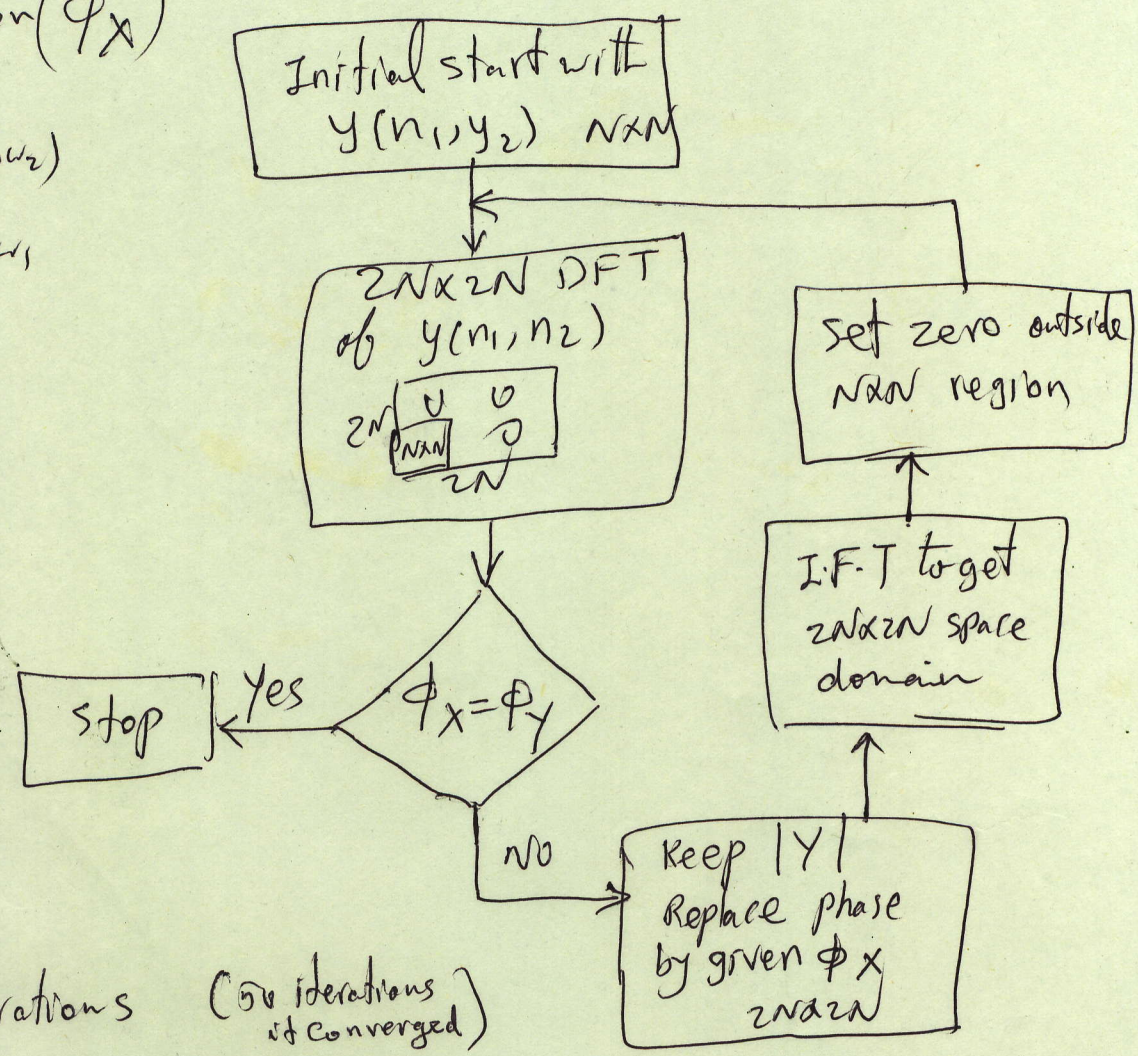
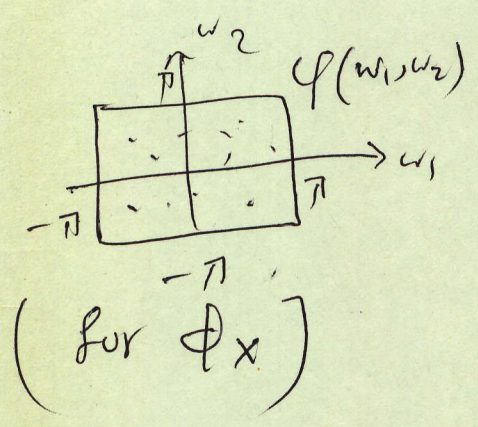


$x(n_1, n_2) \xrightarrow{F.T} |X(\omega_1, \omega_2)| \angle \phi_x(\omega_1, \omega_2)$

take more samples of phase $\phi(\omega_1, \omega_2)$ at $2N \times 2N$

Iterative Algorithm for reconstruction of signal from $2N \times 2N$ phase information (ϕ_x)



Then after iterations (50 iterations it converged)

$y(n_1, n_2) \rightarrow x(n_1, n_2)$

still with one bit of phase quantization,
it works