

Load T, N

Initiate $n=0$

$E = FFT(A)$
($\angle A$ is random for $n=0$)

$E = T e^{j\angle E}$

if $n < N$

Output
 $\angle A$ and $|E|$

if $n=N$

$A = e^{j\angle A}$
 $n=n+1$

$A = IFFT(E)$