Original signal — x(n) ----> vs K ---->

Circularly shifted signal — x(n-m) ----> vs K ---->

Magnitude of LHS — Amplitude ----> vs K ---->

Magnitude of RHS — Amplitude ----> vs K ---->

Phase of LHS — Phase ----> vs K ---->

Phase of RHS — Phase ----> vs K ---->

Magnitude of X(k) — Amplitude ----> vs K ---->

Circularly Shifted X(k) — Amplitude ----> vs K ---->

Plot of LHS — IDFTX((k-l))N ----> vs n ---->

Plot of RHS — W(-ln)N*x(n) ----> vs n ---->

```
LHS =

    1.9997


RHS =

    1.9997
```