```
USE of OFT to simultaneously
                                                                                                                                                                                                                                                                                      transform 2 sigs
                                               [X(n) = Xm(n) + j X=(n)
                                            2 y(n) = yx(n) + 3 yx(n)
                                                             Z(n) = X(n) + j y(n) = Xm(n)+jXy(n)+j(ym(n+jy(n))
                                                                                                                                                       = (Xm(N)-yI(n))+j(XI(n)+ym(n))
                                                          ZN(H) = X (H) - Y (M) + j (X (H) + Y (M))
\frac{2^{f}(\mu_{N})}{(\mu_{N})^{+}} = \left( \frac{2^{f}(\mu_{N})^{+}}{(\mu_{N})^{+}} + j \left( \frac{1}{2^{f}(\mu_{N})^{+}} + j \left( \frac{1}{2^{f}(\mu_{N})^{+
                         \int \frac{2^{f}}{N}(\mu) + \frac{2^{f}}{N}(N-\mu) = 2 \times \frac{1}{N}(\mu) + j \left(2 \times \frac{1}{N}(\mu)\right)
\int \frac{2^{f}}{N}(\mu) - \frac{2^{f}}{N}(N-\mu) = -2 \times \frac{1}{N}(\mu) + j \left(2 \times \frac{1}{N}(\mu)\right)
                                                  Xx = = = ne {2+ (4) + 2+ (N-4)}
                                                      X+ = [Im { 2+ (H) - 2+ (N-H) }
                                                 Y = = = In{ = x(4) + = x(N-4)}
                                    ( Vf = -= Pre { 25 (w - 25 (n-10) }
                    X^{f}(\mu) = \frac{1}{2} \ln \left\{ 2 \frac{f}{r}(\mu) + 2 \frac{f}{r}(\nu - \mu) \right\} + j \cdot \frac{1}{2} I_{m} \left\{ 2 \frac{f}{r}(\mu) - 2 \frac{f}{r}(\nu - \mu) \right\}
          Y (W) = 1 Im { 2 f (N) + 2 f (N-M)} + j - (-1) Me { 2 f (N) - 2 f (N-M)}
```