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```
clc;
clear all;
close all;

x = [1,2];
N = length(x);

w2 = exp(-1j*2*pi/N);
X = zeros(1,N);

X(1) = x(1) + x(2);

X(2) = x(1)-x(2);

Y = fft(x);

subplot(2,1,1);
stem(X);
title("myfft");
subplot(2,1,2);
stem(Y);
title("In-built FFT");
```

