

## 1 Short help on subplot

You can use the subplot command to generate multiple plots in one figure. For our purposes you can generate two plots in one figure by using

```
subplot(2,1,1) , stem(input);  
subplot(2,1,2) , stem(output);
```

## 2 Matlab Help on Subplot

SUBPLOT Create axes in tiled positions.

H = SUBPLOT(m,n,p), or SUBPLOT(mnp), breaks the Figure window into an m-by-n matrix of small axes, selects the p-th axes for for the current plot, and returns the axis handle. The axes are counted along the top row of the Figure window, then the second row, etc. For example,

```
SUBPLOT(2,1,1), PLOT(income)  
SUBPLOT(2,1,2), PLOT(outgo)
```

plots income on the top half of the window and outgo on the bottom half.

SUBPLOT(m,n,p), if the axis already exists, makes it current. SUBPLOT(H), where H is an axis handle, is another way of making an axis current for subsequent plotting commands.

SUBPLOT('position',[left bottom width height]) creates an axis at the specified position in normalized coordinates (in in the range from 0.0 to 1.0)..

If a SUBPLOT specification causes a new axis to overlap an existing axis, the existing axis is deleted. For example, the statement SUBPLOT(1,1,1) deletes all existing smaller axes in the Figure window and creates a new full-figure axis.