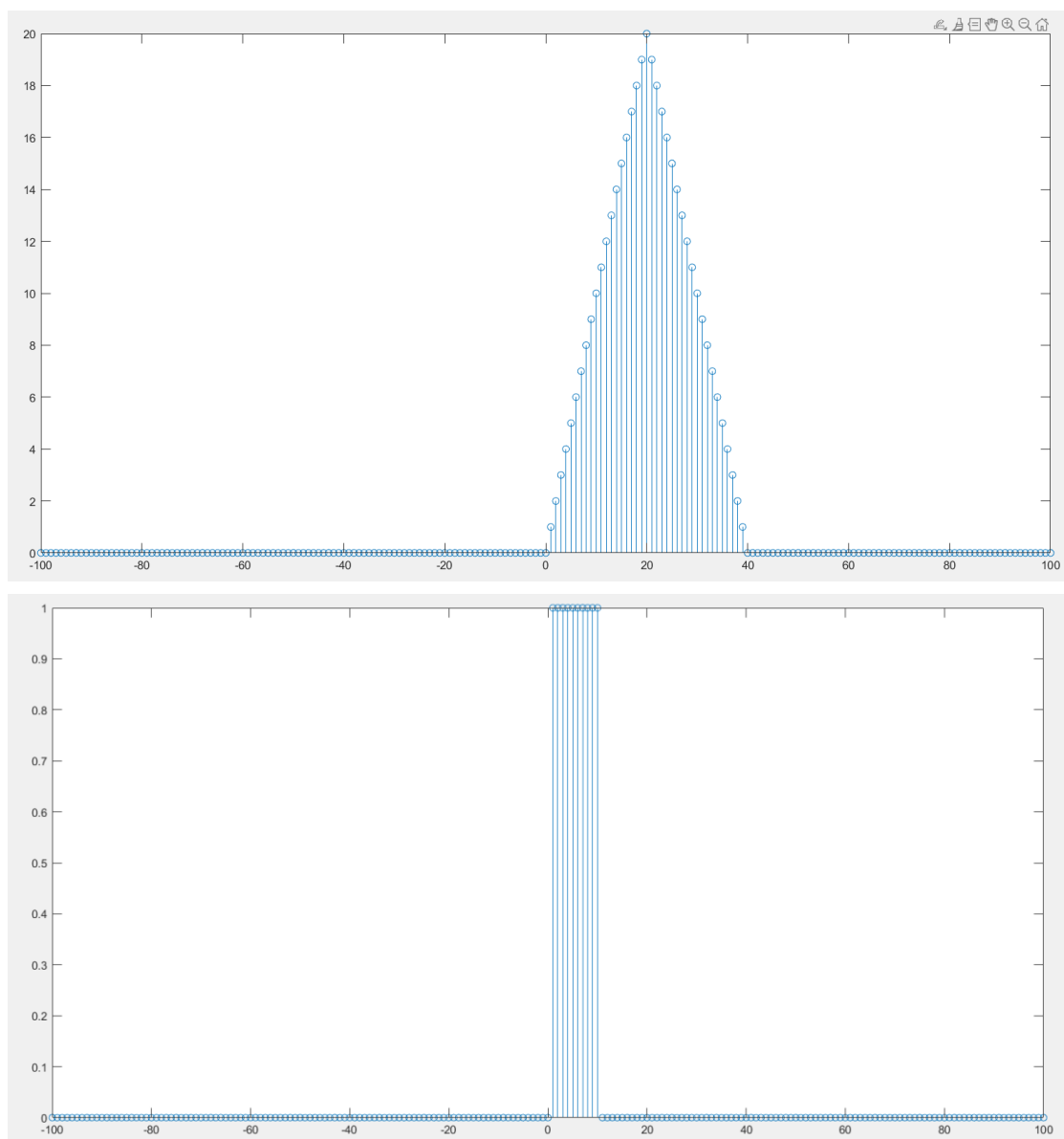
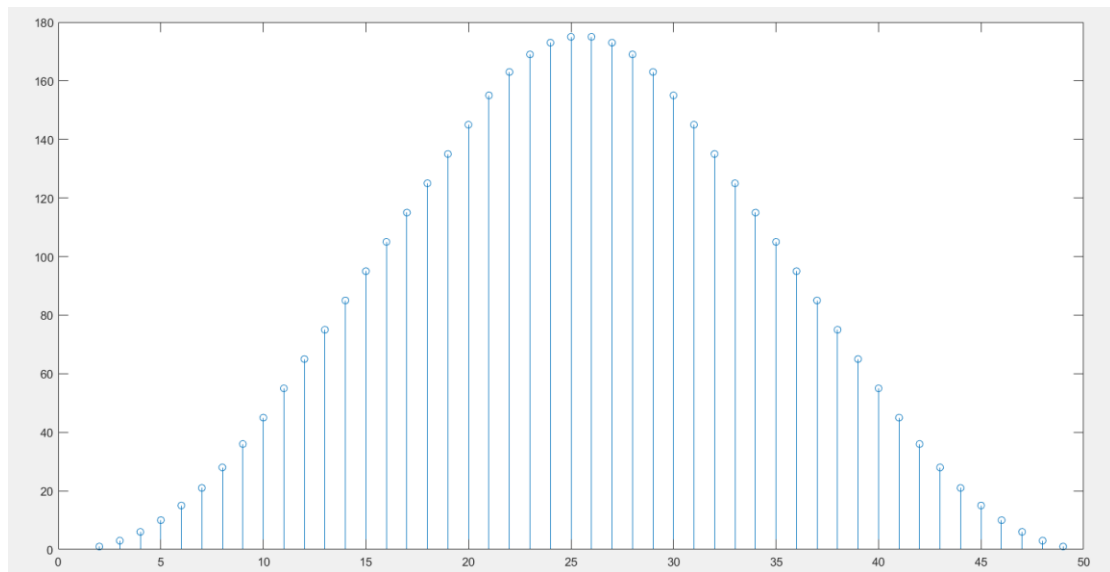


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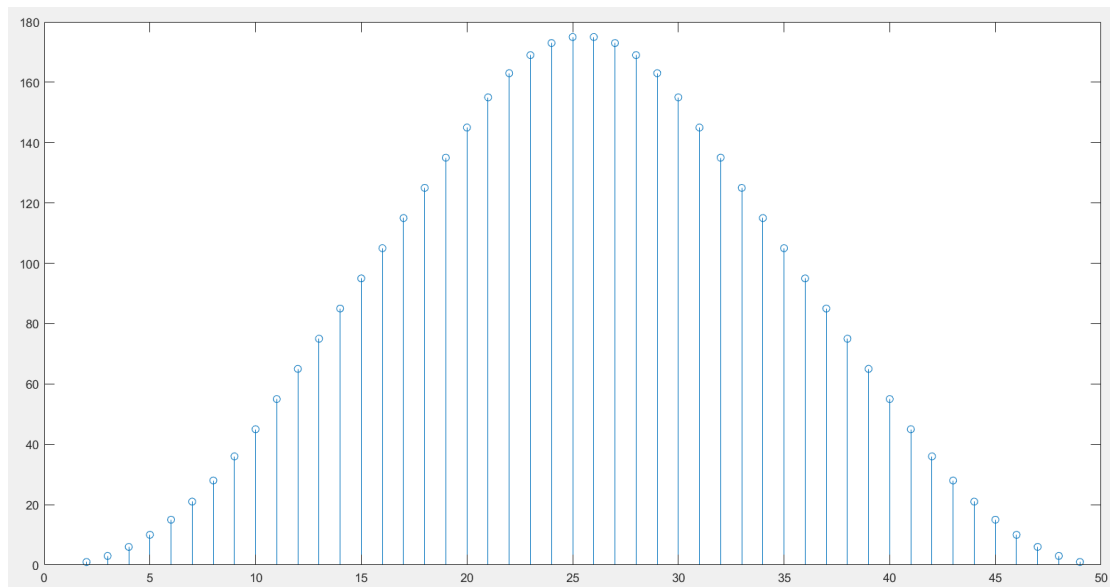
(a)



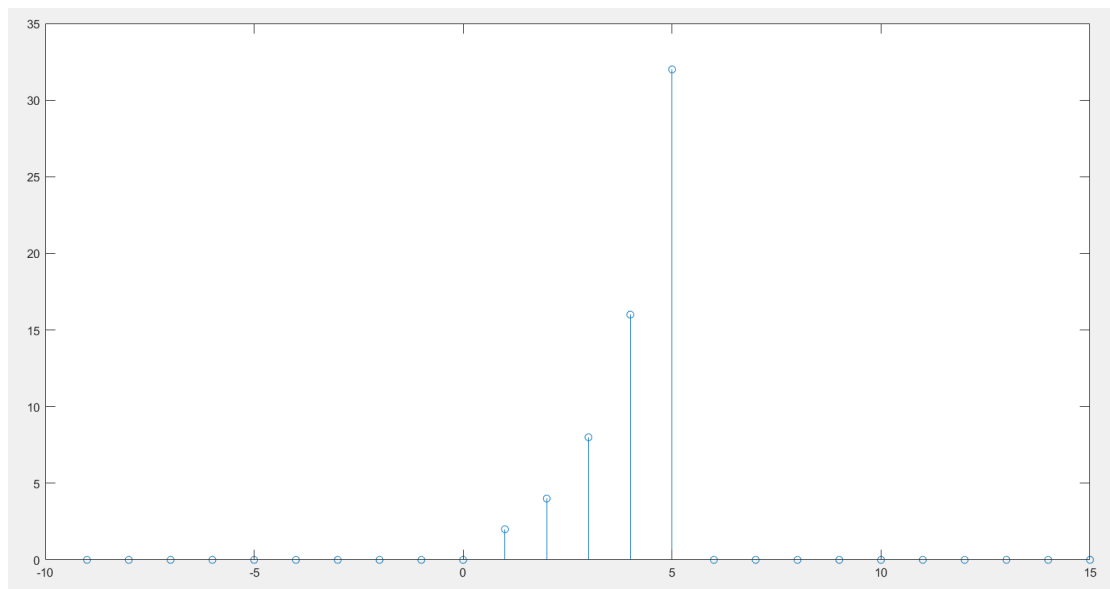
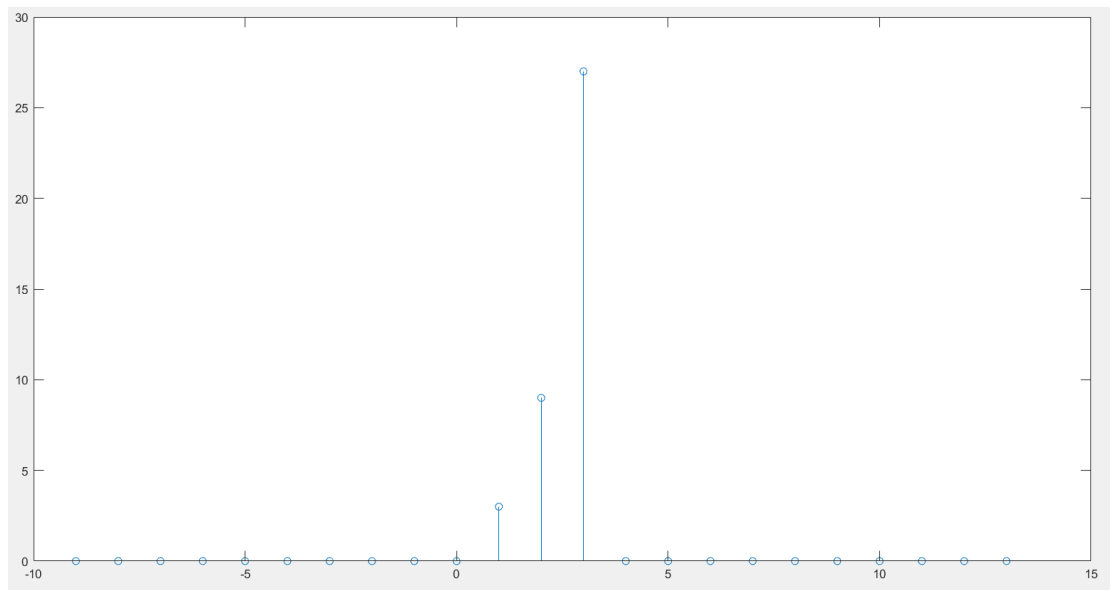
(b)

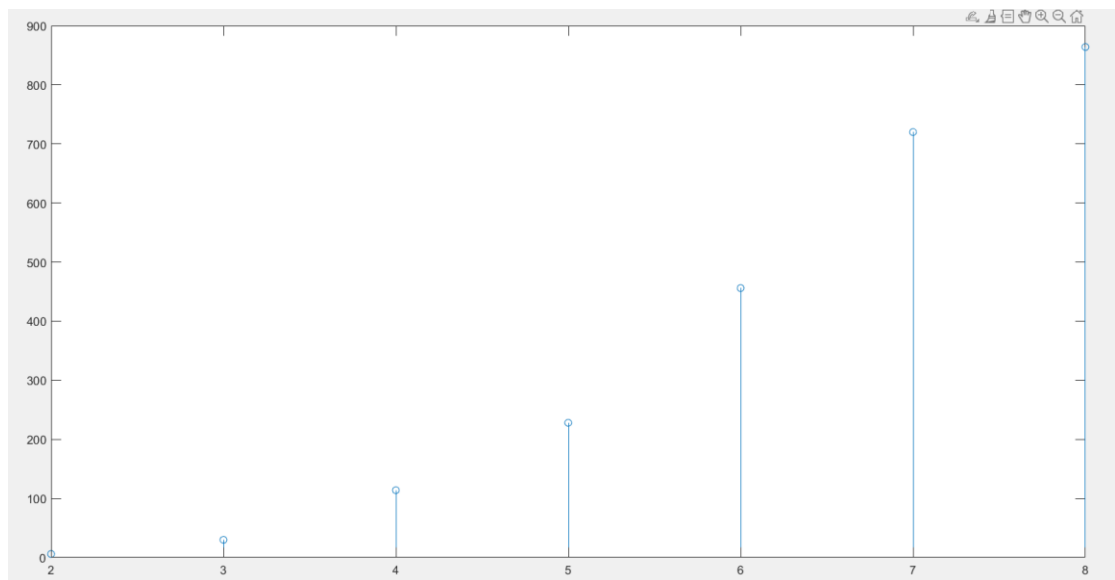
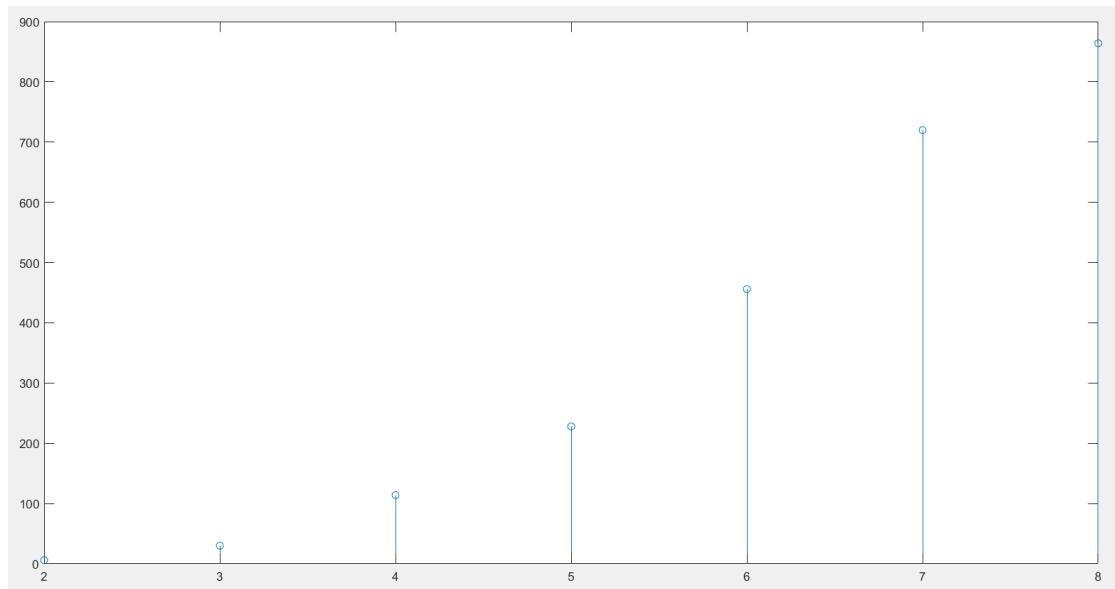


(c)



(d)





Code for Part C

```
32 %%  
33 %(c)|  
34  
35 matrix1 = zeros(48,10);  
36 for i = 1:39  
37     for j = 1:min(i,10)  
38         matrix1(i,j) = x1(i-j+1);  
39     end  
40 end  
41  
42 for i =40:48  
43     for j = i-38:10  
44         matrix1(i,j) = x1(39-(j-(i-38)));  
45     end  
46 end  
47  
48 y = matrix1*x2;  
49 figure  
50 stem(n,y);  
51
```

沿用前面的變數宣告

```
n = 2:1:49
```

```
N1 = 1:1:39;
```

```
x1 = 0*(N1<=0&N1>=40)+N1.*(N1>=1&N1<=20)+(40-N1).*(N1>=21&N1<=39);
```

```
N2 = 1:1:10;
```

```
unitstep1 = N2>=1;
```

```
unitstep11 = N2>=11;
```

```
x2 = unitstep1 - unitstep11;
```

```
x1 = transpose(x1);
```

```
x2 = transpose(x2);
```