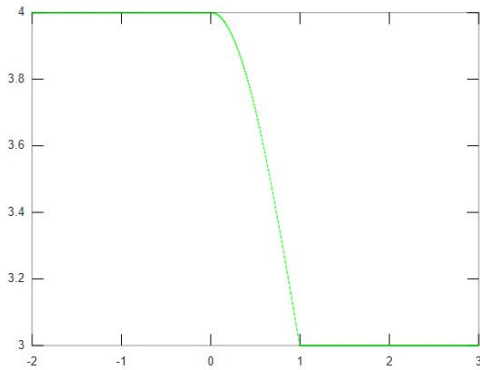


%Hassan El-seoudy G4 S1 : ID3780

Full code : [https://github.com/Hassan-Elseoudy/DSP\\_MATLAB/blob/master/Assignment2.m](https://github.com/Hassan-Elseoudy/DSP_MATLAB/blob/master/Assignment2.m)

% Question (1) %

```
t = linspace(-2,3,500);
t1 = linspace(-2,0,200);
x1 = 4*ones(1,200);
t2 = linspace(0,1,100);
x2 = cos(2*pi*t2/4)+3;
t3 = linspace(1,3,200);
x3 = 3*ones(1,200);
Y = [x1 x2 x3];
plot(t,Y,'g')
```



% Question (2) %

```
n = linspace(0,20,10);
N = 2*n;
x = cos(2 * n / 3);
y = cos(8 * pi * n / 38);
stem(x,N);
hold on
stem(y,N);
```

