

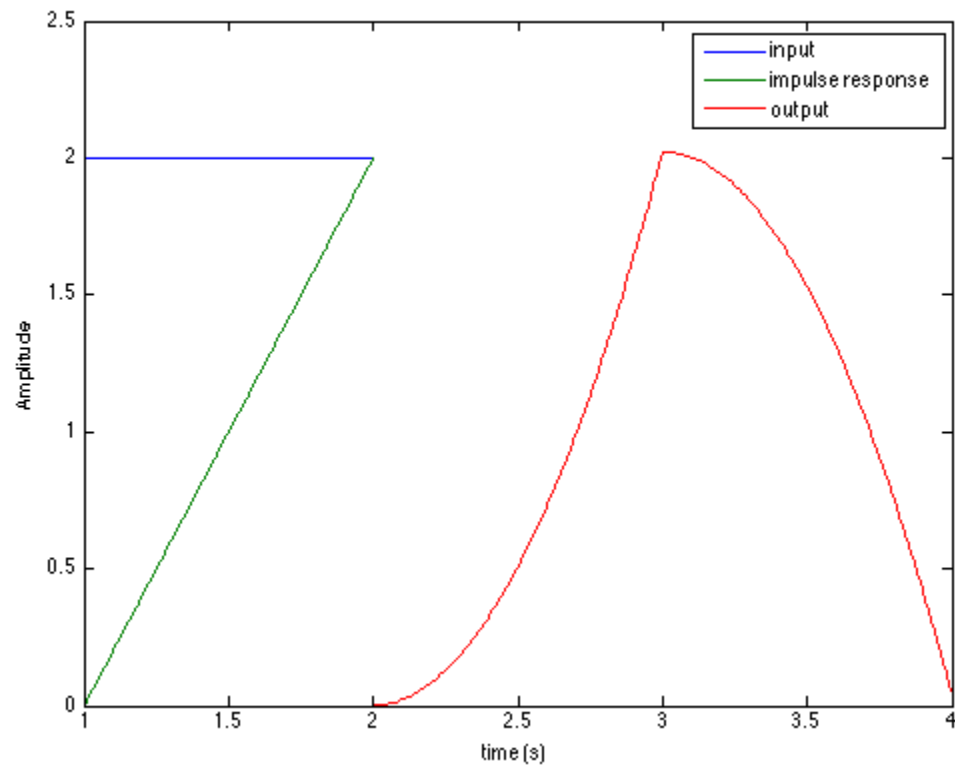
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# Task 1

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```
N = 100;  
dt = 1/N;  
dh = 2/N;  
h = 0:dh:2;  
%h = h./2;  
th = 1:dt:2;  
x = 2 .* ones(1,length(h));  
%x = x ./ 2;  
tx = th;  
[y ty]=nconv(x,tx,h,th);  
plot(tx,x,th,h,ty,y)  
legend('input','impulse response','output');  
xlabel('time (s)');  
ylabel('Amplitude');
```



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