

```
clc;
close all;
clear all;
x1 = input('Please enter the x(t) vector with brackets: ');
x2 = input('Please enter the h(t) vector with brackets: ');
length_x1=length(x1);
length_x2=length(x2);

length_a = length_x1 + length_x2;

X1=[x1,zeros(1,length(x1))];
X2=[x2,zeros(1,length(x2))];

a = 0;
while (a <= length_a)
    y(a+1)=0;
    b = 1;
    while (b <= length_x1)
        if(a-b+1>0)
            y(a)=y(a)+X1(b)*X2(a-b+1);
        else
            end
        b = b + 1;
    end
    a = a + 1;
end
fprintf('This give us the output:'); y
```