```
function [y,ty] = nconv(x,tx,h,th)
% Description:
% nconv performs a numerical approximation to the
% continuous time convolution using matlab's conv()
% function
% [y,ty] = nconv(x,tx,h,th)
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    Inputs:
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        x -- input signal vector
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        tx -- times of samples in x
        h -- impulse response vector
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        th -- times of smaples in h
   Outputs:
용
        y -- output signal vector
            lenght(y) = length(x) + length(h) - 1
        ty -- times of samples in y
% Written by Javier Palomares 01/28/13
% Sampling period
T = th(2) - th(1);
% start and end times
tStart = tx(1) + th(1);
tEnd = tx(length(tx)) + th(length(th));
% Convolution
y = conv(x, T \cdot * h);
% Time spaces
ty = linspace(tStart, tEnd, length(y));
        Error using nconv (line 23)
        Not enough input arguments.
```

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