
```
function y = myDiffeq(x, case_val)

N = length(x);
y = zeros(1,N);

switch case_val

    case 1
        y(1) = x(1);
        for n = 2:N-1
            y(n) = x(n)+2*x(n-1)-0.95*y(n-1);
        end

    case 2
        y(1) = x(1);
        for n = 2:N-1
            y(n) = x(n)+2*x(n-1);
        end

    case 3
        y(1) = x(1);
        for n = 2:N-1
            y(n) = x(n)+2*x(n-1)-1.1*y(n-1);
        end

end
```

Not enough input arguments.

Error in myDiffeq (line 3)
N = length(x);

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