```matlab
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
% NAME: abraham reines
% JMU-EID: reinesaj
% DATE: Feb 10, 2022
%
% PROGRAM: collatz.m
% PURPOSE:  Inputs some first number x and outputs the length of the
% sequence.
% CREDIT: Adapted from an example written by Dr. Lucus
%
% VARIABLES:
%     n = collatz/hailstone number
%     x = a(i)
%
% JMU PLEDGE
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
function n = collatz(x)
n = 1;
while (x > 1)
    n=n+1;
    if (mod(x,2)==0)
        x=x/2;
    else
        x=3*x+1;
    end
end
end

Not enough input arguments.

Error in collatz (line 19)
while (x > 1)
```

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