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```
function [out1 out2] = Ma4_Task2_chen3633(dpipe, drod)

%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
% ENGR 133
% Program Description
%create a function that will determine the velocity of a fluid moving
 through the pipe for different configurations.
%
% Function Call
%Ma4_Task2_chen3633(dpipe, drod)
%
% Input Arguments
%dpipe
%drod
%
% Output Arguments
%replace this text with a commented list of the output arguments
%
% Assignment Information
%   Assignment:     Ma3_Task 1
%   Author:         Yolanda, chen3633@purdue.edu
%   Team ID:        LC1-15
%   Contributor:    Collin Gernhardt, cgernhar@purdue.edu
%                   Rachel Evrard, revrard@purdue.edu
%                   Jonathan Budiman, jbudiman@purdue.edu
%   My contributor(s) helped me:
%     [ ] understand the assignment expectations without
%         telling me how they will approach it.
%     [ ] understand different ways to think about a solution
%         without helping me plan my solution.
%     [ ] think through the meaning of a specific error or
%         bug present in my code without looking at my code.
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
```

INITIALIZATION

```
m = 2;
p = 1000;
```

CALCULATIONS

```
for k = 1:size(drod)
    A = dpipe(k)-drod
    if all(dpipe<=0) ||all(drod<=0)
    disp("[-1 -1]")
    end
    u = m/(p*A)

end
```

```
Not enough input arguments.

Error in Ma4_Task2_chen3633 (line 42)
for k = 1:size(drod)
```

FORMATTED TEXT & FIGURE DISPLAYS

COMMAND WINDOW OUTPUT

```
Ma4_Task2_chen3633(0.01:0.01:0.05,0.03:0.02:0.09)
Ma4_Task2_chen3633([5 10 3],[0 1 2 3 4])
Ma4_Task2_chen3633([5 8 10],[2 4])

end
```

ACADEMIC INTEGRITY STATEMENT

I have not used source code obtained from any other unauthorized source, either modified or unmodified. Neither have I provided access to my code to another. The project I am submitting is my own original work.

Published with MATLAB® R2020b