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Homework 1:

Code:

a=(123\*2\*pi)/360;

disp(a);

L=@(c)9/sin(pi-2.1468-c)+7/sin(c);

fplot(L,[0.4,0.5]); grid on

title('Ladder Problem');

xlabel('Angle c');

ylabel('Length of Ladder');

minNum=fminbnd(L,0.4,0.5);

disp(minNum);

%minimum of the function is

minNum2=L(0.467);

disp(minNum2);

fminbnd(L,0.4,0.5,optimset('Display','iter'))





