**Help with final problem @MITxStaff**

[mohitb117](https://www.edx.org/courses/MITx/6.00x/2012_Fall/discussion/forum/users/369941) about 3 hours ago

def findOrder(xVals, yVals, accuracy = 1.0e-1):

# Your Code Here

degree=0

residual=1.0

X=[]

while residual&gt;accuracy:

degree+=1

X=pylab.polyfit(xVals, yVals, degree,True,True)

residual=abs(X[1][0])

if residual&lt;=accuracy:

return X[0]

return X[0]

I need to know why the first test case fails!!!!

according to me. i should just increase the degree until the residual returned by polyfit is less than or equal to the accuracy variable!!!

1. [0](javascript:void(0)) [dnc](https://www.edx.org/courses/MITx/6.00x/2012_Fall/discussion/forum/users/23266)

about 3 hours ago

Try incrementing degree after the polyfit call in the loop.

Top of Form



Bottom of Form

1. [3](javascript:void(0)) [Leep](https://www.edx.org/courses/MITx/6.00x/2012_Fall/discussion/forum/users/253306)

about 3 hours ago

You're never checking to see if degree = 0 results in a residual less than or equal to accuracy.

Top of Form



Bottom of Form

1. [0](javascript:void(0)) [liamriley](https://www.edx.org/courses/MITx/6.00x/2012_Fall/discussion/forum/users/279520)

about an hour ago

This question was just hilarious if you don't have the relevant maths background. Degree?...1.0e-1?...RESIDUAL????

Top of Form



Bottom of Form

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