La-Tower

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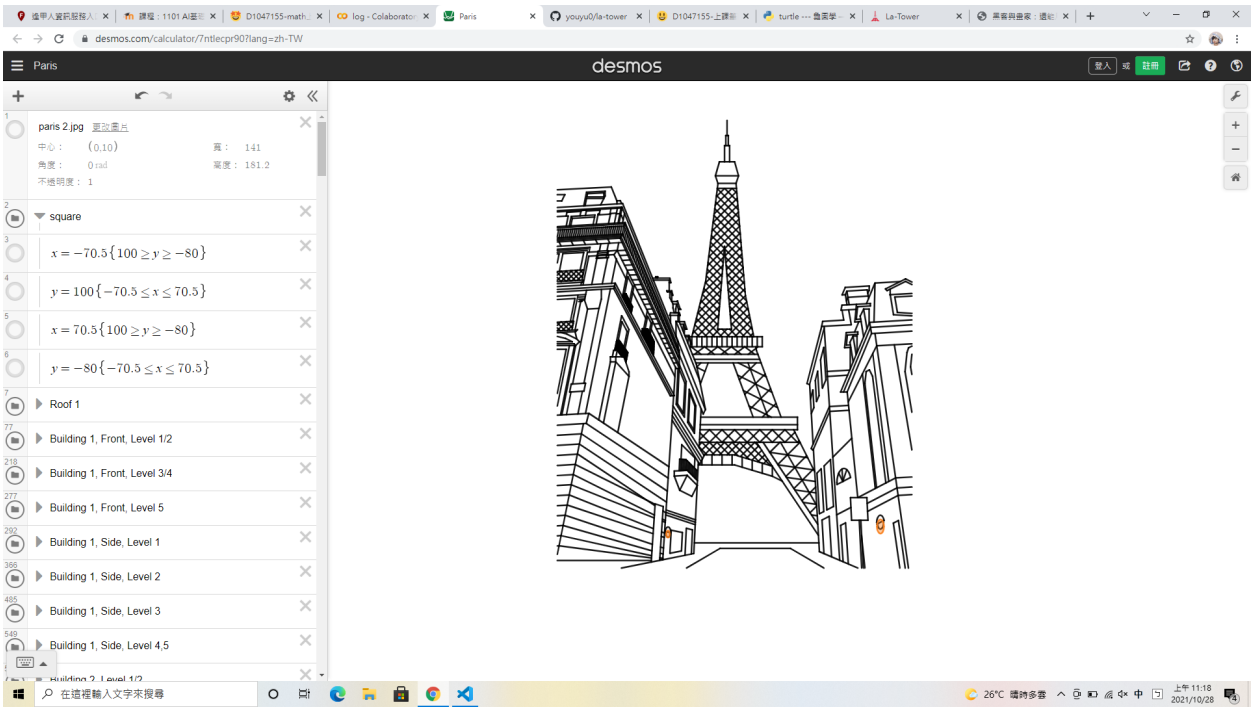
https://kknews.cc/zh-tw/culture/ln26z9.html

https://www.itread01.com/content/1549068846.html

要畫的圖

https://www.desmos.com/calculator/7ntlecpr90?lang=zh-TW



https://gist.github.com/Mumuuuu/a9d4a77427f215f8860aa7ab144c35ff

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La tower

原本想說用turtle寫，後來發現turtle所查閱到的資料大多都是帶點進去寫，

於是又用回了matplotlib的寫法，在我們將全部的方程式算過及重新排過之後，

卻發現有些線的方向跑錯了，於是又去重新檢查和更改

```
import numpy as np
import matplotlib.pyplot as plt
plt.vlines(-70.5,-80,100,color="black")
#y
plt.hlines(100,-70.5,70.5,color="black")

plt.vlines(-70.5,-80,100,color="black")
plt.hlines(-80,-70.5,70.5,color="black")
# Border : ['x', '-70.5', '100', 'y', '-80']
# Border : ['y', '100', '-70.5', 'x', '70.5']
# Border : ['x', '70.5', '100', 'y', '-80']
```

```
# Border : ['y', '-80', '-70.5', 'x', '70.5']
x0 = np.linspace(-70.5,-49.0)
y0 = 1/20*x0+74
plt.plot(x0,y0,color='black')
x0 = np.linspace(-46.8,-49.02)
y0 = -2.5*x0-51
plt.plot(x0,y0,color='black')
y0 = np.linspace(66.0,68.5)
#11
x0 = -1/2*y0-203.5/2
plt.plot(x0,y0,color='black')
x0 = np.linspace(-60.0,-58.9)
y0 = 5*x0+364
plt.plot(x0,y0,color='black')
x0 = np.linspace(-58.9,-51.5)
y0 = 1/20*x0+72.44
plt.plot(x0,y0,color='black')
x0 = np.linspace(-52.0,-58.5)
y0 = 1/20*x0+71.8
plt.plot(x0,y0,color='black')
x0 = np.linspace(-58.495,-58.75)
y0 = 5*x0+361.35
plt.plot(x0,y0,color='black')
y0 = np.linspace(68.0,64.4)
#19
x0 = 1/2*y0-171/2
plt.plot(x0,y0,color='black')
x0 = np.linspace(-58.87,-59.46)
y0 = 5*x0+361.35
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-44.5)
y0 = 4/67*x0+67.6
plt.plot(x0,y0,color='black')
x0 = np.linspace(-45.5,-46.824)
y0 = 1/20*x0+68.4
plt.plot(x0,y0,color='black')
x0 = np.linspace(-44.899,-45.502)
y0 = -1/0.5*x0-24.88
plt.plot(x0,y0,color='black')
x0 = np.linspace(-44.8,-70.5)
y0 = 4/67*x0+66.3
plt.plot(x0,y0,color='black')
x0 = np.linspace(-44.5,-22.5)
y0 = -3/1.2*x0-46.307
plt.plot(x0,y0,color='black')
x0 = np.linspace(-44.802,-22.0)
y0 = -3/1.2*x0-48.38
plt.plot(x0,y0,color='black')
y0 = np.linspace(35.3,33.5)#34
x0 = -1/4*y0-67.9/4
plt.plot(x0,y0,color='black')
x0 = np.linspace(30.25,28.5)
y0 = -4*x0-69.8
plt.plot(x0,y0,color='black')
```

```
y0 = np.linspace(29.8,28.5)
#44
x0 = -1/4*y0-71/4
plt.plot(x0,y0,color='black')
x0 = np.linspace(-27.0,-26.7)
y0 = -3/2*x0-10.25
plt.plot(x0,y0,color='black')
x0 = np.linspace(-23.0,-22.75)
y0 = x0+49
plt.plot(x0,y0,color='black')
y0 = np.linspace(26.25,23.0)
#52
x0 = -1/3*y0-42/3
plt.plot(x0,y0,color='black')
x0 = np.linspace(-21.68,-21.4)
y0 = -1/2*x0+12.2
plt.plot(x0,y0,color='black')
x0 = np.linspace(-23.0,-22.3)
y0 = -3*x0-44
plt.plot(x0,y0,color='black')
y0 = np.linspace(25.0,27.5)
#57
x0 = -1/2*y0-24/2
plt.plot(x0,y0,color='black')
y0 = np.linspace(21.5,23.5)
#59
x0 = -1/4*y0-74.5/4
plt.plot(x0,y0,color='black')
y0 = np.linspace(23.0,25.0)
#62
x0 = 1/5*y0-140/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(20.5,21.5)
#65
y0 = -1/3*x0-44.5/3
plt.plot(y0,x0,color='black')
x0 = np.linspace(-25.834,-25.5)
y0 = 3*x0+98
plt.plot(x0,y0,color='black')
x0 = np.linspace(21.2,20.5)
#67
y0 = 1/3*x0-87.9/3
plt.plot(y0,x0,color='black')
x0 = np.linspace(21.2,20.5)
#70
y0 = -1/3*x0-45.5/3
plt.plot(y0,x0,color='black')
x0 = np.linspace(18.0,18.12)
#74
y0 = -7*x0+14.79*7
plt.plot(y0,x0,color='black')
x0 = np.linspace(-70.5,-67.0)
y0 = 4/67*x0+64
plt.plot(x0,y0,color='black')
```

```
x0 = np.linspace(60.0,56.0)
#79
y0 = 1/5*x0-391/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(-67.0,-66.7)
y0 = 5*x0+395
plt.plot(x0,y0,color='black')
x0 = np.linspace(-66.7,-61.1)
y0 = 4/67*x0+65.48
plt.plot(x0,y0,color='black')
x0 = np.linspace(-53.5,-59.0)
y0 = 4/67*x0+65.48
plt.plot(x0,y0,color='black')
x0 = np.linspace(62.283,60.785)
#84
y0 = 1/5*x0-330/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(-53.843,-54.343)
y0 = 4/67*x0+64
plt.plot(x0,y0,color='black')
x0 = np.linspace(60.759,56.711)
#86
y0 = 1/5*x0-332.2/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(62.383,62.256)
#87
y0 = 67/4*x0+65.9*(-67/4)
plt.plot(y0,x0,color='black')
x0 = np.linspace(60.2,62.384)
#88
y0 = 1/5*x0-356.9/5
plt.plot(y0,y0,color='black')
x0 = np.linspace(62.26,60.08)
#89
y0 = 1/5*x0-367.4/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(-55.5,-65.0)
y0 = 4/67*x0+63.75
plt.plot(y0,x0,color='black')
x0 = np.linspace(59.87,56.074)
#91
y0 = 1/5*x0-384.85/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(60.436,56.64)
#92
y0 = 1/5*x0-338/5
plt.plot(y0,y0,color='black')
x0 = np.linspace(-70.5,-43.554)
y0 = 4/67*x0+60
plt.plot(y0,x0,color='black')
x0 = np.linspace(59.87,59.0)
#94
y0 = -1/2*x0-70.1/2
plt.plot(y0,x0,color='black')
```

```
x0 = np.linspace(59.014,56.111)
#95
y0 = 1/5*x0-381.8/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(59.045,59.576)
#96
y0 = 67/4*x0+62.9*(-67/4)
plt.plot(y0,x0,color='black')
x0 = np.linspace(-54.343,-53.8)
y0 = 4/67*x0+64
plt.plot(y0,x0,color='black')
x0 = np.linspace(-54.349,-49.4)
y0 = 4/67*x0+63.7
plt.plot(x0,y0,color='black')
x0 = np.linspace(57.006,61.0)
#99
y0 = 1/5*x0-307.76/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(61.0,62.965)
#100
y0 = 1/5*x0-308.8/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(-49.56,-47.0)
y0 = 4/67*x0+63.96
plt.plot(y0,x0,color='black')
x0 = np.linspace(61.153,63.117)
#102
y0 = 1/5*x0-296.2/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(-70.5,-44.754)
y0 = 4/67*x0+65.9
plt.plot(x0,y0,color='black')
x0 = np.linspace(-47.009,-47.811)
y0 = 5*x0+296.2
plt.plot(x0,y0,color='black')
x0 = np.linspace(60.89,60.975)
#105
y0 = 67/4*x0+63.7*(-67/4)
plt.plot(y0,x0,color='black')
x0 = np.linspace(57.23,63.067)
#106
y0 = 1/5*x0+289.2/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(-45.65,-45.35)
y0 = -3/1.2*x0-53.15
plt.plot(x0,y0,color='black')
x0 = np.linspace(62.333,57.257)
#108
y0 = 1/5*x0-287/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(62.32,63.053)
#109
y0 = -1.2/3*x0-50.02*1.2/3
plt.plot(y0,x0,color='black')
```

```
x0 = np.linspace(61.08,57.341)
#110
y0 = 1/5*x0-280/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(-45.361,-45.0)
y0 = 4/67*x0+62.96
plt.plot(x0,y0,color='black')
x0 = np.linspace(58.467,60.272)
#112
y0 = -1.2/3*x0-52.3*1.2/3
plt.plot(y0,x0,color='black')
x0 = np.linspace(-70.5,-43.653)
y0 = 4/67*x0+59.5
plt.plot(x0,y0,color='black')
x0 = np.linspace(-69.975,-70.5)
y0 = 5*x0+404.4
plt.plot(x0,y0,color='black')
x0 = np.linspace(51.332,54.571)
#115
y0 = 1/5*x0-400.4/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(54.619,51.38)
#116
y0 = 1/5*x0-396.4/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(54.667,51.429)
#117
y0 = 1/5*x0-392.4/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(54.716,51.477)
#118
y0 = 1/5*x0-388.4/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(51.525,54.764)
y0 = 1/5*x0-384.4/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(51.574,54.812)
y0 = 1/5*x0-380.4/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(51.622,54.861)
y0 = 1/5*x0-376.4/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(51.67,54.909)
y0 = 1/5*x0-372.4/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(51.719,54.957)
y0 = 1/5*x0-368.4/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(51.767,55.006)
y0 = 1/5*x0-364.4/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(51.815,55.054)
y0 = 1/5*x0-360.4/5
plt.plot(y0,x0,color='black')
```

```
x0 = np.linspace(51.864,55.102)
y0 = 1/5*x0-356.4/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(51.912,55.151)
y0 = 1/5*x0-352.4/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(51.96,55.199)
y0 = 5*x0+348.4
plt.plot(x0,y0,color='black')
x0 = np.linspace(52.009,55.247)
y0 = 1/5*x0-344.4/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(52.057,55.296)
y0 = 1/5*x0-340.4/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(52.105,55.344)
y0 = 1/5*x0-336.4/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(52.154,55.392)
y0 = 1/5*x0-332.4/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(52.202,55.441)
y0 = 1/5*x0-328.4/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(52.25,55.489)
y0 = 1/5*x0-324.4/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(52.299,55.537)
y0 = 1/5*x0-320.4/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(52.347,55.586)
y0 = 1/5*x0-316.4/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(52.395,55.634)
y0 = 1/5*x0-312.4/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(52.444,55.682)
y0 = 1/5*x0-308.4/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(52.492,55.731)
y0 = 1/5*x0-304.4/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(52.54,55.779)
y0 = 1/5*x0-300.4/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(52.589,55.827)
y0 = 1/5*x0-296.4/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(52.637,55.876)
y0 = 1/5*x0-292.4/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(52.685,55.924)
y0 = 1/5*x0-288.4/5
plt.plot(x0,y0,color='black')
```

```
x0 = np.linspace(52.734,55.973)
y0 = 1/5*x0-284.4/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(52.782,56.021)
y0 = 1/5*x0-280.4/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(52.83,56.0692)
y0 = 1/5*x0-276.4/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(56.07,54.491)
#147
y0 = 67/4*x0-58.7*67/4
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-45.199)
y0 = 4/67*x0+54.5
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-44.942)
y0 = 4/67*x0+55
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-44.714)
y0 = 4/67*x0+55.5
plt.plot(x0,y0,color='black')
x0 = np.linspace(56.067,56.894)
#151
y0 = 1/2*x0-144.2/2
plt.plot(x0,y0,color='black')
x0 = np.linspace(51.183,52.819)
y0 = 1/2*x0-142.2/2
plt.plot(x0,y0,color='black')
x0 = np.linspace(56.879,57.4)
#153
y0 = 1/5*x0-275.17/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-45.508)
y0 = 4/67*x0+53.9
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-44.749)
y0 = 4/67*x0+52.15
plt.plot(x0,y0,color='black')
x0 = np.linspace(48.03,49.729)
#156
y0 = -1/2*x0-90/2
plt.plot(x0,y0,color='black')
x0 = np.linspace(48.32,50.019)
y0 = -1/2*x0-80/2
plt.plot(x0,y0,color='black')
x0 = np.linspace(48.609,50.309)
y0 = -1/2*x0-70/2
plt.plot(x0,y0,color='black')
x0 = np.linspace(48.899,50.599)
y0 = -1/2*x0-60/2
plt.plot(x0,y0,color='black')
x0 = np.linspace(49.189,50.888)
#160
```

```
y0 = -1/2*x0-50/2
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-57.5)
y0 = 4/67*x0+51
plt.plot(x0,y0,color='black')
x0 = np.linspace(47.567,45.6)
#162
y0 = 1/5*x0-335.1/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(-58.5,-54.329)
y0 = 4/67*x0+49.1
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-58.3)
y0 = 4/67*x0+50.5
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-58.662)
y0 = 4/67*x0+49.8
plt.plot(x0,y0,color='black')
x0 = np.linspace(45.607,34.5)
#166
y0 = 1/5*x0-338.107/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-69.8)
y0 = 5*x0+393.94
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-69.801)
y0 = 4/67*x0+49.1
plt.plot(x0,y0,color='black')
x0 = np.linspace(-68.3,-60.0)
y0 = 4/67*x0+49.1
plt.plot(x0,y0,color='black')
x0 = np.linspace(45.023,38.0)
#170
y0 = 1/5*x0-386.5/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(45.517,38.503)
y0 = 1/5*x0-345.6/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-59.903)
y0 = 4/67*x0+42.17
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-60.073)
y0 = 4/67*x0+38.13
plt.plot(x0,y0,color='black')
x0 = np.linspace(34.392,36.723)
#174
y0 = x0-97
plt.plot(x0,y0,color='black')
x0 = np.linspace(34.265,38.562)
y0 = x0-99
plt.plot(x0,y0,color='black')
x0 = np.linspace(34.138,38.435)
y0 = x0-101
plt.plot(x0,y0,color='black')
```

```
x0 = np.linspace(34.011,38.308)
#177
y0 = x0+103
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-66.819)
y0 = x0+105
plt.plot(x0,y0,color='black')
x0 = np.linspace(36.5,38.054)
#179
y0 = x0+107
plt.plot(x0,y0,color='black')
x0 = np.linspace(34.01,35.5)
y0 = -x0-35
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-67.123)
y0 = -x0-33
plt.plot(x0,y0,color='black')
x0 = np.linspace(34.235,38.04)
#182
y0 = -x0-31
plt.plot(x0,y0,color='black')
x0 = np.linspace(34.348,38.16)
y0 = -x0-29
plt.plot(x0,y0,color='black')
x0 = np.linspace(34.461,38.273)
y0 = -x0-27
plt.plot(x0,y0,color='black')
x0 = np.linspace(35.518,38.386)
#185
y0 = -x0-25
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-60.5)
y0 = 4/67*x0+37.3
plt.plot(x0,y0,color='black')
x0 = np.linspace(37.184,38.498)
#187
y0 = -x0-23
plt.plot(x0,y0,color='black')
x0 = np.linspace(33.688,34.544)
#188
y0 = 1/2*x0-154.69/2
plt.plot(y0,y0,color='black')
x0 = np.linspace(32.5,33.665)
#189
y0 = 1/5*x0-338.107/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(46.0,44.5)
#190
y0 =1/5*x0-317.5
plt.plot(x0,y0,color='black')
x0 = np.linspace(-54.31,-50.415)
y0 = 4/67*x0+49.24
plt.plot(x0,y0,color='black')
x0 = np.linspace(46.23,44.732)
```

```
#192
y0 = 1/5*x0-298.3/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(44.5,44.733)
#193
y0 = 67/4*x0+47.76*(-67/4)
plt.plot(x0,y0,color='black')
x0 = np.linspace(-54.45,-50.564)
y0 = 4/67*x0+48.5
plt.plot(x0,y0,color='black')
x0 = np.linspace(-58.0,-48.0)
y0 = 4/67*x0+47.5
plt.plot(x0,y0,color='black')
x0 = np.linspace(44.733,44.487)
y0 = -x0-5.98
plt.plot(x0,y0,color='black')
x0 = np.linspace(44.5,44.255)
y0 = -x0-10.1
plt.plot(x0,y0,color='black')
x0 = np.linspace(44.487,45.979)
#198
y0 = 1/5*x0-296.8/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(46.23,45.979)
y0 = -x0-4.185
plt.plot(x0,y0,color='black')
x0 = np.linspace(-50.283,-46.7)
y0 = 4/67*x0+49.1
plt.plot(x0,y0,color='black')
x0 = np.linspace(44.634,46.311)
#201
y0 = 650-839*x0-106.6*(-650/839)
plt.plot(x0,y0,color='black')
x0 = np.linspace(44.461,43.5)
#202
y0 = 1/5*x0-299/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(44.255,43.294)
#203
y0 = 1/5*x0-316/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(-54.541,-51.1)
y0 = 4/67*x0+46.551
plt.plot(x0,y0,color='black')
x0 = np.linspace(-51.0,-51.1)
y0 = -x0-7.6
plt.plot(x0,y0,color='black')
x0 = np.linspace(43.166,43.45)
#206
y0 =67/4*x0-46.45*97/4
plt.plot(x0,y0,color='black')
x0 = np.linspace(43.45,44.513)
y0 = 1/5*x0-294.7/5
plt.plot(x0,y0,color='black')
```

```
x0 = np.linspace(-55.007,-54.794)
y0 = 5*x0+318.2
plt.plot(x0,y0,color='black')
x0 = np.linspace(-54.54,-54.445)
y0 = -x0-11.245
plt.plot(x0,y0,color='black')
x0 = np.linspace(43.434,33.0)
#210
y0 = 1/5*x0-296/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-47.5)
y0 = 4/67*x0+36.15
plt.plot(x0,y0,color='black')
x0 = np.linspace(32.756,43.181)
#212
y0 = 1/5*x0-317/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(44.038,32.551)
y0 = 1/5*x0-334/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(46.312,49.399)
y0 = 1/5*x0-279.82/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(49.155,46.21)
y0 = 1/5*x0-300/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(46.028,48.974)
#216
y0 = 1/5*x0-315/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-48.0)
y0 = 4/67*x0+34
plt.plot(x0,y0,color='black')
x0 = np.linspace(33.314,31.132)
#220
y0 = 1/4*x0-223.32/4
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-47.793)
y0 = 4/67*x0+35
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-63.5)
y0 = 4/67*x0+31
plt.plot(x0,y0,color='black')
x0 = np.linspace(27.209,18.1)
#223
y0 = 1/5*x0-344.71/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(28.582,18.157)
y0 = 1/5*x0-340/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-59.247)
y0 = 4/67*x0+32.3
plt.plot(x0,y0,color='black')
x0 = np.linspace(26.0,14.711)
```

```
y0 = 1/5*x0-332/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(-62.0,-60.75)
y0 = 4/67*x0+29.653
plt.plot(x0,y0,color='black')
x0 = np.linspace(26.5,26.026)
y0 = 1/5*x0-329.78/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(-61.5,-59.688)
y0 = 4/67*x0+30.1212
plt.plot(x0,y0,color='black')
x0 = np.linspace(26.557,30.483)
#230
y0 = 1/5*x0-325/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(-59.592,-62.0)
y0 = 4/67*x0+30.6
plt.plot(x0,y0,color='black')
x0 = np.linspace(-62.0,-59.43)
y0 = 4/67*x0+31.4
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-64.0)
y0 = 4/67*x0+22
plt.plot(x0,y0,color='black')
x0 = np.linspace(-64.0,-64.709)
y0 = 5*x0+338.18
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-62.5)
y0 = 4/67*x0+18.5
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-63.245)
y0 = 4/67*x0+17.8
plt.plot(x0,y0,color='black')
x0 = np.linspace(14.023,14.769)
#237
y0 = x0-77.269
plt.plot(x0,y0,color='black')
x0 = np.linspace(14.532,16.705)
y0 = x0-81
plt.plot(x0,y0,color='black')
x0 = np.linspace(14.405,18.127)
y0 = x0-83
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-67.0)
y0 = x0+85
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-69.127)
y0 = x0+87
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-69.359)
y0 = -x0-55
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-67.472)
y0 = -x0-53
```

```
plt.plot(x0,y0,color='black')
x0 = np.linspace(-65.585,-68.887)
y0 = -x0-51
plt.plot(x0,y0,color='black')
x0 = np.linspace(-64.53,-67.0)
y0 = -x0-49
plt.plot(x0,y0,color='black')
x0 = np.linspace(-64.197,-65.113)
y0 = -x0-47
plt.plot(x0,y0,color='black')
x0 = np.linspace(23.0,26.563)
#247
y0 = -1/3*x0-152.5/3
plt.plot(x0,y0,color='black')
x0 = np.linspace(23.274,26.986)
y0 = 1/4*x0-239/4
plt.plot(x0,y0,color='black')
x0 = np.linspace(-58.5,-53.931)
y0 = 4/67*x0+26.494
plt.plot(x0,y0,color='black')
x0 = np.linspace(23.003,-6.8)
#251
y0 = 1/5*x0-315.4/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(23.273,-6.526)
y0 = 1/5*x0-293/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(-59.298,-64.966)
y0 = 4/67*x0-2.95
plt.plot(x0,y0,color='black')
x0 = np.linspace(-64.96,-65.6)
y0 = 5*x0+318
plt.plot(x0,y0,color='black')
x0 = np.linspace(-6.49,-9.658)
#255
y0 = 1/5*x0-290/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(-9.996,-9.658)
y0 = 67/4*x0+6.08*67/4
plt.plot(y0,x0,color='black')
x0 = np.linspace(-9.965,-18.993)
y0 = 1/5*x0-315.4/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(-9.694,-18.73)
y0 = 1/5*x0-293/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(-70.5,-58.0)
y0 = 4/67*x0-15
plt.plot(x0,y0,color='black')
None
plot : ['', 'y', '-4*x-240', '14.009', 'y', '11.086']
x0 = np.linspace(-69.099,-66.8)
y0 = -1/4*x0-3.6
plt.plot(x0,y0,color='black')
```

```
x0 = np.linspace(13.1,11.086)
#262
y0 = -2*x0-20.3*2
plt.plot(y0,x0,color='black')
x0 = np.linspace(11.1,10.0)
y0 = -x0-51.7
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-67.2)
y0 = -1/4*x0-5.5
plt.plot(y0,x0,color='black')
x0 = np.linspace(11.3,10.0)
#265
y0 = -2*x0-22.3*2
plt.plot(y0,x0,color='black')
x0 = np.linspace(-63.205,-61.7)
y0 = x0+71.7
plt.plot(x0,y0,color='black')
x0 = np.linspace(9.2,8.496)
#268
y0 = -14/13*x0-59.57*13/14
plt.plot(y0,x0,color='black')
x0 = np.linspace(8.083,-19.103)
#271
y0 = 1/5*x0-324.5/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(8.5,-15.5)
y0 = 1/5*x0-337/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(8.5,-19.133)
y0 = 1/5*x0-327/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(8.5,8.083)
y0 = -x0-55.2
plt.plot(y0,x0,color='black')
x0 = np.linspace(7.0,-10.5)
y0 = 1/5*x0-342/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-59.006)
y0 = 4/67*x0-19
plt.plot(x0,y0,color='black')
x0 = np.linspace(-22.53,-18.469)
#279
y0 = 1/4*x0-213.5/4
plt.plot(y0,x0,color='black')
x0 = np.linspace(-70.5,-60.927)
y0 = 4/67*x0-23
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-61.737)
y0 = 4/67*x0-27
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-62.547)
y0 = 4/67*x0-31
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-63.356)
```

```
y0 = 4/67*x0-35
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-64.166)
y0 = 4/67*x0-39
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-64.976)
y0 = 4/67*x0-43
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-65.785)
y0 = 4/67*x0-47
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-66.595)
y0 = 4/67*x0-51
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-67.405)
y0 = 4/67*x0-55
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-68.215)
y0 = 4/67*x0-59
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-69.024)
y0 = 4/67*x0-63
plt.plot(x0,y0,color='black')
x0 = np.linspace(-70.5,-69.834)
y0 = 4/67*x0-67
plt.plot(x0,y0,color='black')
x0 = np.linspace(52.858,3.0)
#293
y0 = 1/-2.2*x0+45.5/2.2
plt.plot(y0,x0,color='black')
x0 = np.linspace(-45.19,-22.0)
y0 = -2.2*x0-47.6
plt.plot(x0,y0,color='black')
x0 = np.linspace(51.182,-0.57)
y0 = -1/2.2*x0-48.97/2.2
plt.plot(x0,y0,color='black')
x0 = np.linspace(-43.554,-22.0)
y0 = -2.4*x0-47.13
plt.plot(x0,y0,color='black')
x0 = np.linspace(-43.658,-22.0)
y0 = -2.4*x0-47.9
plt.plot(x0,y0,color='black')
x0 = np.linspace(-44.07,-22.0)
y0 = -2.4*x0-49.7
plt.plot(y0,x0,color='black')
x0 = np.linspace(54.959,51.819)
y0 = 1/5*x0-273/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(53.662,50.597)
y0 = 1/5*x0-269/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(52.365,49.375)
y0 = 1/5*x0-265/5
plt.plot(y0,x0,color='black')
```

```
x0 = np.linspace(51.068,48.153)
y0 = 1/5*x0-261/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(49.77,46.931)
y0 = 1/5*x0-257/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(48.473,45.708)
y0 = 1/5*x0-253/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(47.176,44.486)
y0 = 1/5*x0-249/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(45.878,43.264)
y0 = 1/5*x0-245/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(44.581,42.042)
y0 = 1/5*x0-241/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(43.284,40.819)
y0 = 1/5*x0-237/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(41.986,39.597)
y0 = 1/5*x0-233/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(40.689,38.375)
y0 = 1/5*x0-229/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(39.392,37.153)
y0 = 1/5*x0-225/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(38.095,35.931)
y0 = 1/5*x0-221/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(36.797,34.708)
y0 = 1/5*x0-217/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(35.5,33.486)
y0 = 1/5*x0-213/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(34.203,32.264)
y0 = 1/5*x0-209/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(32.905,31.042)
y0 = 1/5*x0-205/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(31.608,29.819)
y0 = 1/5*x0-201/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(30.311,28.597)
y0 = 1/5*x0-197/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(29.014,27.375)
y0 = 1/5*x0-193/5
plt.plot(x0,y0,color='black')
```

```
x0 = np.linspace(27.716,26.153)
y0 = 1/5*x0-189/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(26.419,24.931)
y0 = 1/5*x0-185/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(25.122,23.708)
y0 = 1/5*x0-181/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(23.824,22.486)
y0 = 1/5*x0-177/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(22.527,21.264)
y0 = 1/5*x0-173/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(21.23,20.042)
y0 = 1/5*x0-169/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(19.932,18.819)
y0 = 1/5*x0-165/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(18.635,17.597)
y0 = 1/5*x0-161/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(17.338,16.375)
y0 = 1/5*x0-1157/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(16.041,15.153)
y0 = 1/5*x0-153/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(14.743,13.931)
y0 = 1/5*x0-149/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(13.446,12.708)
y0 = 1/5*x0-145/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(12.149,11.486)
y0 = 1/5*x0-141/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(10.851,10.264)
y0 = 1/5*x0-137/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(9.554,9.042)
y0 = 1/5*x0-133/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(8.257,7.819)
#335
y0 = 1/5*x0-129/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(6.959,6.597)
y0 = 1/5*x0-125/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(5.662,5.375)
y0 = 1/5*x0-121/5
```

```
plt.plot(x0,y0,color='black')
x0 = np.linspace(4.365,4.153)
y0 = 1/5*x0-117/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(-46.706,-23.232)
y0 = -2*x0-47.1
plt.plot(x0,y0,color='black')
x0 = np.linspace(46.214,46.412)
#341
y0 = 67/4*x0-49*67/4
plt.plot(x0,y0,color='black')
x0 = np.linspace(-45.685,-42.47)
y0 = 4/67*x0+47
plt.plot(x0,y0,color='black')
x0 = np.linspace(-44.715,-41.585)
y0 = 4/67*x0+45
plt.plot(x0,y0,color='black')
x0 = np.linspace(-43.744,-40.7)
y0 = 4/67*x0+43
plt.plot(x0,y0,color='black')
x0 = np.linspace(-42.773,-39.815)
y0 = 4/67*x0+41
plt.plot(x0,y0,color='black')
x0 = np.linspace(-41.802,-38.93)
y0 = 4/67*x0+39
plt.plot(x0,y0,color='black')
x0 = np.linspace(-40.831,-38.045)
y0 = 4/67*x0+37
plt.plot(x0,y0,color='black')
x0 = np.linspace(-39.86,-37.16)
y0 = 4/67*x0+35
plt.plot(x0,y0,color='black')
x0 = np.linspace(-38.889,-36.275)
y0 = 4/67*x0+33
plt.plot(x0,y0,color='black')
x0 = np.linspace(-37.918,-35.39)
y0 = 4/67*x0+31
plt.plot(x0,y0,color='black')
x0 = np.linspace(-36.947,-34.505)
y0 = 4/67*x0+29
plt.plot(x0,y0,color='black')
x0 = np.linspace(-35.976,-33.619)
y0 = 4/67*x0+27
plt.plot(x0,y0,color='black')
x0 = np.linspace(-35.005,-32.734)
y0 = 4/67*x0+25
plt.plot(x0,y0,color='black')
x0 = np.linspace(-34.034,-31.849)
y0 = 4/67*x0+23
plt.plot(x0,y0,color='black')
x0 = np.linspace(-33.063,-30.964)
y0 = 4/67*x0+21
plt.plot(x0,y0,color='black')
x0 = np.linspace(-32.092,-30.079)
```

```
y0 = 4/67*x0+19
plt.plot(x0,y0,color='black')
x0 = np.linspace(-31.121,-29.194)
y0 = 4/67*x0+17
plt.plot(x0,y0,color='black')
x0 = np.linspace(-30.15,-28.309)
y0 = 4/67*x0+15
plt.plot(x0,y0,color='black')
x0 = np.linspace(-29.179,-27.424)
y0 = 4/67*x0+13
plt.plot(x0,y0,color='black')
x0 = np.linspace(-28.208,-26.539)
y0 = 4/67*x0+11
plt.plot(x0,y0,color='black')
x0 = np.linspace(-27.237,-25.654)
y0 = 4/67*x0+9
plt.plot(x0,y0,color='black')
x0 = np.linspace(-26.266,-24.769)
y0 = 4/67*x0+7
plt.plot(x0,y0,color='black')
x0 = np.linspace(-25.295,-23.884)
y0 = 4/67*x0+5
plt.plot(x0,y0,color='black')
x0 = np.linspace(-24.324,-22.999)
y0 = 4/67*x0+3
plt.plot(x0,y0,color='black')
x0 = np.linspace(-23.232,-22.003)
y0 = 4/67*x0+0.75
plt.plot(x0,y0,color='black')
x0 = np.linspace(-48.007,-43.2)
y0 = -2*x0-51.38
plt.plot(x0,y0,color='black')
x0 = np.linspace(27.861,38.077)
#368
y0 = 1/5*x0-251.02/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(25.391,32.677)
y0 = 1/5*x0-232.12/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(-43.759,-43.184)
y0 = 5*x0+245
plt.plot(x0,y0,color='black')
x0 = np.linspace(29.149,29.078)
y0 = -67/4*x0+26.5*67/4
plt.plot(x0,y0,color='black')
x0 = np.linspace(21.247,23.929)
y0 = 1/5*x0-227/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(-43.777,-42.429)
y0 = 5*x0+248
plt.plot(x0,y0,color='black')
x0 = np.linspace(-42.429,-40.571)
y0 = -2*x0-49
plt.plot(x0,y0,color='black')
```

```
x0 = np.linspace(-41.757,-40.571)
y0 = 5*x0+235
plt.plot(x0,y0,color='black')
x0 = np.linspace(-43.189,-40.614)
y0 = -1/0.5*x0-57.3
plt.plot(x0,y0,color='black')
x0 = np.linspace(22.0,21.784)
y0 = 2*x0-42.5*2
plt.plot(x0,y0,color='black')
x0 = np.linspace(22.556,22.179)
y0 = 2*x0-43*2
plt.plot(x0,y0,color='black')
x0 = np.linspace(22.575,23.111)
y0 = 2*x0-43.5*2
plt.plot(x0,y0,color='black')
x0 = np.linspace(22.971,23.667)
y0 = 2*x0-44*2
plt.plot(x0,y0,color='black')
x0 = np.linspace(23.367,24.14)
y0 = 2*x0-44.5*2
plt.plot(x0,y0,color='black')
x0 = np.linspace(23.763,24.54)
y0 = 2*x0-45*2
plt.plot(x0,y0,color='black')
x0 = np.linspace(24.159,24.94)
y0 = 2*x0-45.5*2
plt.plot(x0,y0,color='black')
x0 = np.linspace(24.554,25.34)
y0 = 2*x0-46*2
plt.plot(x0,y0,color='black')
x0 = np.linspace(24.95,25.74)
y0 = 2*x0-46.5*2
plt.plot(x0,y0,color='black')
x0 = np.linspace(25.346,26.14)
y0 = 2*x0-47*2
plt.plot(x0,y0,color='black')
x0 = np.linspace(25.742,26.54)
y0 = 2*x0-47.5*2
plt.plot(x0,y0,color='black')
x0 = np.linspace(26.138,26.94)
y0 = 2*x0-48*2
plt.plot(x0,y0,color='black')
x0 = np.linspace(26.667,27.34)
y0 = 2*x0-48.5*2
plt.plot(x0,y0,color='black')
x0 = np.linspace(27.222,27.74)
y0 = 2*x0-49*2
plt.plot(x0,y0,color='black')
x0 = np.linspace(27.778,28.14)
y0 = 2*x0-49.5*2
plt.plot(x0,y0,color='black')
x0 = np.linspace(28.333,28.54)
y0 = 2*x0-50*2
plt.plot(x0,y0,color='black')
```

```
x0 = np.linspace(28.889,28.94)
#393
y0 = 2*x0-50.5*2
plt.plot(x0,y0,color='black')
#394
x0 = np.linspace(25.534,26.75)
y0 = -3/15*x0-191.5*3/15
plt.plot(y0,x0,color='black')
x0 = np.linspace(24.615,27.5)
y0 = -3/15*x0-190*3/15
plt.plot(y0,x0,color='black')
x0 = np.linspace(23.695,28.25)
y0 = -3/15*x0-188.5*3/15
plt.plot(y0,x0,color='black')
x0 = np.linspace(22.776,29.0)
y0 = -3/15*x0-187*3/15
plt.plot(y0,x0,color='black')
x0 = np.linspace(21.856,28.167)
y0 = -3/15*x0-185.5*3/15
plt.plot(y0,x0,color='black')
x0 = np.linspace(21.5,27.167)
y0 = -3/15*x0-184*3/15
plt.plot(y0,x0,color='black')
x0 = np.linspace(22.25,26.167)
y0 = -3/15*x0-182.5*3/15
plt.plot(y0,x0,color='black')
x0 = np.linspace(23.0,25.167)
y0 = -3/15*x0-181*3/15
plt.plot(y0,x0,color='black')
x0 = np.linspace(23.75,24.167)
#402
y0 = -3/15*x0-179.5*3/15
plt.plot(x0,y0,color='black')
x0 = np.linspace(26.556,26.875)
y0 = x0-70.5
plt.plot(x0,y0,color='black')
x0 = np.linspace(26.883,27.5)
y0 = x0-71
plt.plot(x0,y0,color='black')
x0 = np.linspace(27.211,28.125)
y0 = x0-71.5
plt.plot(x0,y0,color='black')
x0 = np.linspace(27.538,28.75)
y0 = x0-72
plt.plot(x0,y0,color='black')
x0 = np.linspace(27.87,29.092)
y0 = x0-72.5
plt.plot(x0,y0,color='black')
x0 = np.linspace(28.495,29.12)
y0 = x0-73
plt.plot(x0,y0,color='black')
x0 = np.linspace(26.786,28.506)
y0 = -1/2*x0-60.5/2
plt.plot(x0,y0,color='black')
```

```
x0 = np.linspace(27.5,29.146)
y0 = -1/2*x0-59.5/2
plt.plot(x0,y0,color='black')
x0 = np.linspace(28.214,29.115)
y0 = -1/2*x0-58.5/2
plt.plot(x0,y0,color='black')
x0 = np.linspace(28.929,29.085)
y0 = -1/2*x0-57.5/2
plt.plot(x0,y0,color='black')
x0 = np.linspace(-47.502,-23.952)
y0 = -1.9*x0-56.939
plt.plot(x0,y0,color='black')
x0 = np.linspace(-40.5,-35.34)
y0 = -2*x0-51.38
plt.plot(x0,y0,color='black')
x0 = np.linspace(15.062,10.0)
#415
y0 = -0.5*x0-54*0.5
plt.plot(x0,y0,color='black')
x0 = np.linspace(15.193,15.062)
y0 = -67/4*x0+13*67/13
plt.plot(x0,y0,color='black')
x0 = np.linspace(13.069,15.1935)
y0 = 1/20*x0-750/20
plt.plot(x0,y0,color='black')
x0 = np.linspace(9.224,15.062)
y0 = 1/20*x0-705.677/20
plt.plot(x0,y0,color='black')
x0 = np.linspace(4.394,10.0)
y0 = 1/20*x0-650/20
plt.plot(x0,y0,color='black')
x0 = np.linspace(8.066,10.735)
y0 = -3/15*x0-163*3/15
plt.plot(x0,y0,color='black')
x0 = np.linspace(7.147,11.935)
y0 = -3/15*x0-161.5*3/15
plt.plot(x0,y0,color='black')
x0 = np.linspace(6.227,13.135)
y0 = -3/15*x0-160*3/15
plt.plot(x0,y0,color='black')
x0 = np.linspace(5.308,14.335)
y0 = -3/15*x0-158.5*3/15
plt.plot(x0,y0,color='black')
x0 = np.linspace(4.4,14.667)
y0 = -3/15*x0-157*3/15
plt.plot(x0,y0,color='black')
x0 = np.linspace(5.6,13.667)
y0 = -3/15*x0-155.5*3/15
plt.plot(x0,y0,color='black')
x0 = np.linspace(6.8,12.667)
y0 = -3/15*x0-154*3/15
plt.plot(x0,y0,color='black')
x0 = np.linspace(8.0,11.667)
y0 = -3/15*x0-152.5*3/15
```

```
plt.plot(x0,y0,color='black')
x0 = np.linspace(9.2,10.667)
#428
y0 = -3/15*x0-151*3/15
plt.plot(x0,y0,color='black')
x0 = np.linspace(14.726,14.8)
#429
y0 = 2*x0-32*2
plt.plot(y0,x0,color='black')
x0 = np.linspace(14.213,14.4)
y0 = 2*x0-31.5*2
plt.plot(y0,x0,color='black')
x0 = np.linspace(13.701,14.0)
y0 = 2*x0-31*2
plt.plot(y0,x0,color='black')
x0 = np.linspace(13.188,13.6)
y0 = 2*x0-30.5*2
plt.plot(y0,x0,color='black')
x0 = np.linspace(12.675,13.2)
y0 = 2*x0-30*2
plt.plot(y0,x0,color='black')
x0 = np.linspace(12.162,12.8)
y0 = 2*x0-29.5*2
plt.plot(y0,x0,color='black')
x0 = np.linspace(11.649,12.4)
y0 = 2*x0-29*2
plt.plot(y0,x0,color='black')
x0 = np.linspace(11.136,12.0)
y0 = 2*x0-28.5*2
plt.plot(y0,x0,color='black')
x0 = np.linspace(10.624,11.6)
y0 = 2*x0-28*2
plt.plot(y0,x0,color='black')
x0 = np.linspace(10.111,11.2)
y0 = 2*x0-27.5*2
plt.plot(y0,x0,color='black')
x0 = np.linspace(9.598,10.8)
y0 = 2*x0-27*2
plt.plot(y0,x0,color='black')
x0 = np.linspace(9.117,10.4)
y0 = 2*x0+26.5*2
plt.plot(y0,x0,color='black')
x0 = np.linspace(8.721,10.0)
y0 = 2*x0-26*2
plt.plot(y0,x0,color='black')
x0 = np.linspace(8.325,9.487)
y0 = 2*x0-25.5*2
plt.plot(y0,x0,color='black')
x0 = np.linspace(7.929,8.974)
y0 = 2*x0+25*2
plt.plot(y0,x0,color='black')
x0 = np.linspace(7.534,8.462)
y0 = 2*x0-24.5*2
plt.plot(y0,x0,color='black')
```

```
x0 = np.linspace(7.138,7.949)
y0 = 2*x0-24*2
plt.plot(y0,x0,color='black')
x0 = np.linspace(6.742,7.436)
y0 = 2*x0-23.5*2
plt.plot(y0,x0,color='black')
x0 = np.linspace(6.346,6.923)
y0 = 2*x0-23*2
plt.plot(y0,x0,color='black')
x0 = np.linspace(5.95,6.41)
y0 = 2*x0-22.5*2
plt.plot(y0,x0,color='black')
x0 = np.linspace(5.554,5.897)
y0 = 2*x0-22*2
plt.plot(x0,y0,color='black')
x0 = np.linspace(5.159,5.385)
y0 = 2*x0-21.5*2
plt.plot(y0,x0,color='black')
x0 = np.linspace(9.607,13.636)
y0 = -1/2*x0-60/2
plt.plot(x0,y0,color='black')
x0 = np.linspace(10.516,14.545)
y0 = -1/2*x0-59/2
plt.plot(x0,y0,color='black')
x0 = np.linspace(11.425,15.185)
y0 = -1/2*x0-58/2
plt.plot(x0,y0,color='black')
x0 = np.linspace(12.334,15.154)
y0 = -1/2*x0-57/2
plt.plot(x0,y0,color='black')
x0 = np.linspace(13.243,15.123)
y0 = -1/2*x0-56/2
plt.plot(x0,y0,color='black')
x0 = np.linspace(14.152,15.092)
#456
y0 = -1/2*x0-55/2
plt.plot(x0,y0,color='black')
x0 = np.linspace(14.211,15.141)
#457
y0 = x0-51
plt.plot(x0,y0,color='black')
x0 = np.linspace(13.684,15.113)
y0 = x0-50.5
plt.plot(x0,y0,color='black')
x0 = np.linspace(13.158,15.085)
y0 = x0-50
plt.plot(x0,y0,color='black')
x0 = np.linspace(12.797,14.964)
y0 = x0-49.5
plt.plot(x0,y0,color='black')
x0 = np.linspace(12.469,14.438)
y0 = x0-49
plt.plot(x0,y0,color='black')
x0 = np.linspace(12.142,13.912)
```

```
y0 = x0-48.5
plt.plot(x0,y0,color='black')
x0 = np.linspace(11.814,13.385)
y0 = x0-48
plt.plot(x0,y0,color='black')
x0 = np.linspace(11.487,12.859)
y0 = x0-47.5
plt.plot(x0,y0,color='black')
x0 = np.linspace(11.159,12.333)
y0 = x0-47
plt.plot(x0,y0,color='black')
x0 = np.linspace(10.831,11.806)
y0 = x0-46.5
plt.plot(x0,y0,color='black')
x0 = np.linspace(10.504,11.28)
y0 = x0-46
plt.plot(x0,y0,color='black')
x0 = np.linspace(10.176,10.754)
y0 = x0-45.5
plt.plot(x0,y0,color='black')
x0 = np.linspace(9.849,10.228)
y0 = x0-45
plt.plot(x0,y0,color='black')
x0 = np.linspace(-10.964,0.0)
y0 = 1/15*x0-352/15
plt.plot(y0,x0,color='black')
x0 = np.linspace(-11.4299,-11.528)
y0 = 67/4*x0-10*67/4
plt.plot(y0,x0,color='black')
x0 = np.linspace(31.137,-11.528)
y0 = -1/1.9*x0-60.15/1.9
plt.plot(y0,x0,color='black')
x0 = np.linspace(32.147,-11.482)
y0 = -1/1.9*x0-58.66/1.9
plt.plot(y0,x0,color='black')
x0 = np.linspace(22.357,15.159)
y0 = 1/5*x0-196/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(13.143,18.071)
y0 = 1/5*x0-181/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(20.143,17.429)
y0 = -1/2*x0-49/2
plt.plot(y0,x0,color='black')
x0 = np.linspace(20.143,15.124)
y0 = 1/5*x0-193/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(13.857,17.429)
y0 = 1/5*x0-183.5/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(15.014,-3.924)
y0 = -1/2*x0-51.38/2
plt.plot(y0,x0,color='black')
x0 = np.linspace(-59.006,-26.417)
```

```
y0 = -2/3*x0-61.86
plt.plot(x0,y0,color='black')
x0 = np.linspace(-26.115,-58.001)
y0 = -2/3*x0-57.13
plt.plot(x0,y0,color='black')
x0 = np.linspace(43.0,33.227)
y0 = 1/5*x0-278/5
plt.plot(x0,y0,color='black')
x0 = np.linspace(31.051,-18.541)
y0 = 1/5*x0-278/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(-74.5,-22.589)
y0 = 1/5*x0-278/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(10.556,5.667)
y0 = -1/0.7*x0-55/(1/0.7)
plt.plot(y0,x0,color='black')
x0 = np.linspace(20.362,6.603)
y0 = 1/5*x0-245/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(6.625,7.143)
#488
y0 = -1/2*x0-88/2
plt.plot(y0,x0,color='black')
x0 = np.linspace(6.654,7.857)
y0 = -1/2*x0-87/2
plt.plot(y0,x0,color='black')
x0 = np.linspace(7.143,8.571)
y0 = -1/2*x0-86/2
plt.plot(y0,x0,color='black')
x0 = np.linspace(7.857,9.286)
y0 = -1/2*x0-85/2
plt.plot(y0,x0,color='black')
x0 = np.linspace(8.571,10.0)
y0 = -1/2*x0-84/2
plt.plot(y0,x0,color='black')
x0 = np.linspace(9.286,10.509)
y0 = -1/2*x0-83/2
plt.plot(y0,x0,color='black')
x0 = np.linspace(10.0,10.538)
#494
y0 = -1/2*x0-82/2
plt.plot(y0,x0,color='black')
x0 = np.linspace(-46.5,-47.379)
y0 = x0+54
plt.plot(y0,x0,color='black')
x0 = np.linspace(-47.625,-46.375)
y0 = x0+54.5
plt.plot(y0,x0,color='black')
x0 = np.linspace(-47.5,-46.25)
y0 = x0+55
plt.plot(y0,x0,color='black')
x0 = np.linspace(-47.375,-46.125)
y0 = x0+55.5
```

```
plt.plot(y0,x0,color='black')
x0 = np.linspace(-47.25,-46.0)
y0 = x0+56
plt.plot(y0,x0,color='black')
#500
x0 = np.linspace(-47.125,-45.943)
y0 = x0+56.5
plt.plot(y0,x0,color='black')
x0 = np.linspace(-47.0,-46.475)
y0 = x0+57
plt.plot(y0,x0,color='black')
x0 = np.linspace(10.0,10.185)
y0 = 1/2*x0+33*2
plt.plot(y0,x0,color='black')
x0 = np.linspace(9.444,9.815)
y0 = 2*x0+32.5*2
plt.plot(y0,x0,color='black')
x0 = np.linspace(8.889,9.444)
y0 = 2*x0+32*2
plt.plot(y0,x0,color='black')
x0 = np.linspace(8.333,9.074)
y0 = 2*x0+31.5*2
plt.plot(y0,x0,color='black')
x0 = np.linspace(7.778,8.704)
y0 = 2*x0+31*2
plt.plot(y0,x0,color='black')
x0 = np.linspace(7.222,8.333)
y0 = 2*x0+30.5*2
plt.plot(y0,x0,color='black')
x0 = np.linspace(6.667,7.963)
y0 = 2*x0+30*2
plt.plot(y0,x0,color='black')
x0 = np.linspace(6.296,7.593)
y0 = 2*x0+29.5*2
plt.plot(y0,x0,color='black')
x0 = np.linspace(5.926,7.222)
y0 = 2*x0+29*2
plt.plot(y0,x0,color='black')
x0 = np.linspace(5.556,6.852)
y0 = 2*x0+28.5*2
plt.plot(y0,x0,color='black')
x0 = np.linspace(5.185,6.481)
y0 = 2*x0+28*2
plt.plot(y0,x0,color='black')
x0 = np.linspace(4.815,6.111)
y0 = 2*x0+27.5*2
plt.plot(y0,x0,color='black')
x0 = np.linspace(4.444,5.741)
y0 = 2*x0+27*2
plt.plot(x0,y0,color='black')
x0 = np.linspace(4.074,5.222)
y0 = 2*x0+26.5*2
plt.plot(x0,y0,color='black')
x0 = np.linspace(4.0,4.667)
```

```
y0 = 2*x0+26*2
plt.plot(x0,y0,color='black')
x0 = np.linspace(3.571,4.111)
y0 = 2*x0+25.5*2
plt.plot(x0,y0,color='black')
x0 = np.linspace(3.143,3.556)
y0 = 2*x0+25*2
plt.plot(x0,y0,color='black')
x0 = np.linspace(2.714,3.0)
y0 = 2*x0+24.5*2
plt.plot(x0,y0,color='black')
#520
x0 = np.linspace(2.286,2.444)
y0 = 2*x0+24*2
plt.plot(x0,y0,color='black')
x0 = np.linspace(5.2,7.5)
y0 = -1/2*x0-80/2
plt.plot(y0,x0,color='black')
x0 = np.linspace(4.429,10.0)
y0 = -1/2*x0-81/2
plt.plot(y0,x0,color='black')
x0 = np.linspace(3.714,10.0)
y0 = -1/2*x0-82/2
plt.plot(y0,x0,color='black')
x0 = np.linspace(3.0,9.286)
y0 = -1/2*x0-83/2
plt.plot(y0,x0,color='black')
x0 = np.linspace(2.286,8.571)
y0 = -1/2*x0-84/2
plt.plot(y0,x0,color='black')
x0 = np.linspace(4.0,7.857)
y0 = -1/2*x0-85/2
plt.plot(y0,x0,color='black')
x0 = np.linspace(5.0,7.143)
y0 = -1/2*x0-86/2
plt.plot(y0,x0,color='black')
x0 = np.linspace(10.556,4.0)
y0 = 1/5*x0-240/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(6.579,4.0)
y0 = 1/5*x0-247/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(1.75,5.66)
y0 = 1/5*x0-218/5
plt.plot(y0,x0,color='black')
#531
x0 = np.linspace(6.664,4.0)
y0 = -0.7*x0-60*0.7
plt.plot(y0,x0,color='black')
x0 = np.linspace(10.5,10.56)
y0 = 67/4*x0-13.3*67/4
plt.plot(x0,y0,color='black')
x0 = np.linspace(6.579,6.664)
y0 = 4/67*x0+9.45*67/4
```

```
plt.plot(x0,y0,color='black')
x0 = np.linspace(4.0,-2.0)
y0 = -1/3*x0-128/3
plt.plot(y0,x0,color='black')
x0 = np.linspace(2.0,-3.8)
y0 = -1/1.1*x0-50/1.1
#536
plt.plot(y0,x0,color='black')
x0 = np.linspace(-3.8,-26.15)
y0 = 1/5*x0-206.2/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(2.0,-21.115)
y0 = 1/5*x0-249/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(2.035,-22.362)
y0 = 1/5*x0-238.4/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(-44.9,-42.0)
y0 = -1.9*x0-65
plt.plot(x0,y0,color='black')
x0 = np.linspace(7.222,14.855)
y0 = 1/5*x0-225/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(18.0,10.536)
y0 = 1/5*x0-242/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(17.978,14.12)
y0 = -1/1.9*x0-(67.15*(1/1.9))
plt.plot(y0,x0,color='black')
x0 = np.linspace(7.889,14.123)
y0 = 1/5*x0-228/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(-60.927,-26.761)
y0 = -2/3*x0-67.255
plt.plot(x0,y0,color='black')
x0 = np.linspace(-61.746,-27.054)
y0 = -2/3*x0-71.85
plt.plot(x0,y0,color='black')
x0 = np.linspace(-62.524,-31.679)
y0 = -2/3*x0-76.3
plt.plot(x0,y0,color='black')
x0 = np.linspace(-28.487,-27.338)
y0 = -2/3*x0-76.3
plt.plot(x0,y0,color='black')
x0 = np.linspace(-63.373,-31.643)
y0 = -2/4*x0-70.47
plt.plot(x0,y0,color='black')
x0 = np.linspace(-64.164,-31.929)
y0 = -2/4*x0-74.9
plt.plot(x0,y0,color='black')
x0 = np.linspace(-28.703,-27.542)
y0 = -2/4*x0-74.9
plt.plot(x0,y0,color='black')
x0 = np.linspace(-64.974,-32.004)
```

```
y0 = -2/5*x0-72.86
plt.plot(x0,y0,color='black')
x0 = np.linspace(-28.757,-27.588)
y0 = -2/5*x0-72.86
plt.plot(x0,y0,color='black')
x0 = np.linspace(-65.785,-32.288)
y0 = -2/5*x0-77.24
plt.plot(x0,y0,color='black')
x0 = np.linspace(-29.039,-27.873)
y0 = -2/5*x0-77.24
plt.plot(x0,y0,color='black')
x0 = np.linspace(-66.591,-32.423)
y0 = -2/6*x0-77.15
plt.plot(x0,y0,color='black')
x0 = np.linspace(-29.162,-27.988)
y0 = -2/6*x0-77.15
plt.plot(x0,y0,color='black')
x0 = np.linspace(-67.401,-32.705)
y0 = -2/6*x0-81.47
plt.plot(x0,y0,color='black')
x0 = np.linspace(-29.444,-28.27)
y0 = -2/6*x0-81.47
plt.plot(x0,y0,color='black')
x0 = np.linspace(-68.214,-32.878)
y0 = -2/7*x0-82.56
plt.plot(x0,y0,color='black')
x0 = np.linspace(-29.607,-28.429)
y0 = -2/7*x0-82.56
plt.plot(x0,y0,color='black')
x0 = np.linspace(-69.024,-33.008)
y0 = -2/9*x0-82.46
plt.plot(x0,y0,color='black')
x0 = np.linspace(-29.724,-28.541)
y0 = -2/9*x0-82.46
plt.plot(x0,y0,color='black')
x0 = np.linspace(-69.828,-33.069)
y0 = -2/15*x0-80.45
plt.plot(x0,y0,color='black')
x0 = np.linspace(-29.765,-28.576)
y0 = -2/15*x0-80.45
plt.plot(x0,y0,color='black')
x0 = np.linspace(-55.55,-76.959)
y0 = 1/15*x0-370/15
plt.plot(y0,x0,color='black')
x0 = np.linspace(-80.0,-76.716)
y0 = 10/2*x0+71*10/2
plt.plot(y0,x0,color='black')
x0 = np.linspace(-54.648,-77.635)
y0 = 1/15*x0-420/15
plt.plot(y0,x0,color='black')
x0 = np.linspace(-31.63,-28.37)
y0 = -1/3*x0-65
plt.plot(x0,y0,color='black')
x0 = np.linspace(-11.447,-76.716)
```

```
y0 = 1/15*x0-352/15
plt.plot(y0,x0,color='black')
x0 = np.linspace(-22.0,-15.2)
y0 = -3/1.2*x0-37
plt.plot(x0,y0,color='black')
x0 = np.linspace(12.75,-17.0)
y0 = -1.2/3*x0-46*1.2/3
plt.plot(y0,x0,color='black')
x0 = np.linspace(1.0,-17.0)
y0 = -1/5*x0-75/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(-23.31,-13.936)
y0 = -3/1.2*x0-40.16
plt.plot(x0,y0,color='black')
x0 = np.linspace(-17.0,-18.778)
y0 = 1/2*x0-6.2/2
plt.plot(y0,x0,color='black')
x0 = np.linspace(-22.0,-12.489)
y0 = -3/1.2*x0-50
plt.plot(x0,y0,color='black')
x0 = np.linspace(13.2,15.538)
y0 = 1/10*x0-214/10
plt.plot(x0,y0,color='black')
x0 = np.linspace(14.44,17.0)
y0 = 1/10*x0-220.2/10
plt.plot(x0,y0,color='black')
x0 = np.linspace(15.0,16.969)
y0 = -1/3*x0-44/3
plt.plot(x0,y0,color='black')
x0 = np.linspace(15.0,18.0)
y0 = -1/3*x0-42/3
plt.plot(x0,y0,color='black')
x0 = np.linspace(7.111,9.565)
y0 = 1/20*x0-360/20
plt.plot(x0,y0,color='black')
x0 = np.linspace(9.333,12.0)
y0 = 1/20*x0-380/20
plt.plot(x0,y0,color='black')
x0 = np.linspace(12.0,9.0)
y0 = -1/3*x0-43/3
plt.plot(x0,y0,color='black')
x0 = np.linspace(9.0,12.5)
y0 = -1/3*x0-42/3
plt.plot(x0,y0,color='black')
x0 = np.linspace(-32.2,-16.667)
y0 = 1/20*x0-250/20
plt.plot(y0,x0,color='black')
x0 = np.linspace(-24.5,-12.139)
y0 = -1.6*x0-54.7
plt.plot(x0,y0,color='black')
x0 = np.linspace(-12.14,-13.9)
y0 = 2*x0-11
plt.plot(x0,y0,color='black')
x0 = np.linspace(-24.88,-13.889)
```

```
y0 = -1.6*x0-61
plt.plot(x0,y0,color='black')
x0 = np.linspace(-24.759,-13.333)
y0 = -1.6*x0-59
plt.plot(x0,y0,color='black')
x0 = np.linspace(-24.639,-12.778)
y0 = -1.6*x0-57
plt.plot(x0,y0,color='black')
x0 = np.linspace(-25.0,-15.556)
y0 = 1/20*x0-300/20
plt.plot(x0,y0,color='black')
x0 = np.linspace(-21.667,-10.556)
y0 = 1/20*x0-345/20
plt.plot(x0,y0,color='black')
x0 = np.linspace(-10.556,-15.556)
y0 = -1.2/3*x0-55*1.2/3
plt.plot(x0,y0,color='black')
x0 = np.linspace(-18.333,-16.25)
y0 = -1.6*x0-51
plt.plot(x0,y0,color='black')
x0 = np.linspace(-18.704,-15.972)
y0 = -1.6*x0-52
plt.plot(x0,y0,color='black')
x0 = np.linspace(-18.044,-15.422)
y0 = -3/1.2*x0-54
plt.plot(x0,y0,color='black')
x0 = np.linspace(-18.704,-18.044)
y0 = 20*x0+352
plt.plot(x0,y0,color='black')
x0 = np.linspace(-15.422,-15.972)
y0 = 20*x0+293
plt.plot(x0,y0,color='black')
x0 = np.linspace(-5.7777,-20.0)
y0 = 1/20*x0-380/20
plt.plot(x0,y0,color='black')
x0 = np.linspace(-23.241,-20.0)
y0 = -1.6*x0-52
plt.plot(x0,y0,color='black')
x0 = np.linspace(-5.778,1.0)
y0 = -1.2/3*x0-54*1.2/3
plt.plot(x0,y0,color='black')
x0 = np.linspace(-14.63,-18.333)
y0 = -1/1.6*x0-51/1.6
plt.plot(x0,y0,color='black')
x0 = np.linspace(-18.3,-6.44)
y0 = 1/20*x0-390/20
plt.plot(x0,y0,color='black')
x0 = np.linspace(-14.63,-0.889)
y0 = 1/20*x0-440/20
plt.plot(x0,y0,color='black')
x0 = np.linspace(-22.53,-23.241)
y0 = 20*x0+450
plt.plot(x0,y0,color='black')
x0 = np.linspace(-0.889,-6.444)
```

```
y0 = -3/1.2*x0-56
plt.plot(x0,y0,color='black')
x0 = np.linspace(-74.242,-37.963)
y0 = 1/20*x0-250/20
plt.plot(y0,x0,color='black')
x0 = np.linspace(-16.2,-28.58)
y0 = 2/10*x0-71
plt.plot(x0,y0,color='black')
x0 = np.linspace(-18.873,-24.0)
y0 = 4/67*x0-40
plt.plot(x0,y0,color='black')
x0 = np.linspace(-18.873,-14.762)
y0 = -x0-60
plt.plot(x0,y0,color='black')
x0 = np.linspace(-24.0,-18.88)
y0 = 4/67*x0-42
plt.plot(x0,y0,color='black')
x0 = np.linspace(-18.873,-14.857)
y0 = -x0-62
plt.plot(x0,y0,color='black')
x0 = np.linspace(-21.835,-19.345)
y0 = -4/67*x0-38
plt.plot(x0,y0,color='black')
x0 = np.linspace(-36.845,-41.168)
y0 = 1/20*x0-350/20
plt.plot(y0,x0,color='black')
x0 = np.linspace(-19.345,-15.057)
y0 = -x0-56.19
plt.plot(x0,y0,color='black')
x0 = np.linspace(-15.238,-15.057)
y0 = 20*x0+260
plt.plot(y0,x0,color='black')
x0 = np.linspace(-41.317,-36.696)
y0 = 1/20*x0-400/20
plt.plot(x0,y0,color='black')
x0 = np.linspace(-41.287,-30.952)
y0 = 1/20*x0-390/20
plt.plot(y0,x0,color='black')
x0 = np.linspace(-21.048,-15.81)
y0 = -x0-52
plt.plot(x0,y0,color='black')
x0 = np.linspace(-41.257,-36.756)
y0 = 1/20*x0-380/20
plt.plot(y0,x0,color='black')
x0 = np.linspace(-41.228,-36.786)
y0 = 1/20*x0-370/20
plt.plot(y0,x0,color='black')
x0 = np.linspace(-41.198,-36.815)
y0 = 1/20*x0-360/20
plt.plot(y0,x0,color='black')
x0 = np.linspace(-41.138,-37.324)
y0 = 1/20*x0-340/20
plt.plot(y0,x0,color='black')
x0 = np.linspace(-41.429,-37.8)
```

```
y0 = 1/20*x0-330/20
plt.plot(y0,x0,color='black')
x0 = np.linspace(-41.905,-38.276)
y0 = 1/20*x0-320/20
plt.plot(y0,x0,color='black')
x0 = np.linspace(-42.381,-38.752)
y0 = 1/20*x0-310/20
plt.plot(y0,x0,color='black')
x0 = np.linspace(-42.857,-39.229)
y0 = 1/20*x0-300/20
plt.plot(y0,x0,color='black')
x0 = np.linspace(-43.333,-39.705)
y0 = 1/20*x0-290/20
plt.plot(y0,x0,color='black')
x0 = np.linspace(-43.81,-36.19)
y0 = 1/20*x0-280/20
plt.plot(y0,x0,color='black')
x0 = np.linspace(-44.286,-40.657)
y0 = 1/20*x0-270/20
plt.plot(y0,x0,color='black')
x0 = np.linspace(-43.133,-49.08)
y0 = 1/2*x0+5.4/2
plt.plot(y0,x0,color='black')
x0 = np.linspace(-47.222,-51.5)
y0 = 1/2*x0+17.5/2
plt.plot(y0,x0,color='black')
x0 = np.linspace(-17.0,-21.84)
y0 = -1/2*x0-60
plt.plot(x0,y0,color='black')
x0 = np.linspace(-43.42,-49.0)
y0 = -216/575*x0-107.3*216/575
plt.plot(y0,x0,color='black')
x0 = np.linspace(-27.391,-15.639)
y0 = -1/3*x0-68
plt.plot(x0,y0,color='black')
x0 = np.linspace(-27.326,-15.59)
y0 = -1/3*x0-67
plt.plot(x0,y0,color='black')
x0 = np.linspace(-27.261,-15.541)
y0 = -1/3*x0-66
plt.plot(x0,y0,color='black')
None
plot : ['', 'y', '20*x+270', '-64.815', 'y', '-74.444']
x0 = np.linspace(-19.21,-19.747)
y0 = 20*x0+320
plt.plot(x0,y0,color='black')
x0 = np.linspace(-16.75,-19.21)
y0 = -1/4*x0-69
plt.plot(x0,y0,color='black')
x0 = np.linspace(-65.842,-73.232)
y0 = 1/20*x0-350/20
plt.plot(y0,x0,color='black')
x0 = np.linspace(-64.95,-74.141)
y0 = 1/20*x0-440/20
```

```
plt.plot(y0,x0,color='black')
x0 = np.linspace(-20.8,-25.248)
y0 = -1/5*x0-70
plt.plot(x0,y0,color='black')
x0 = np.linspace(-21.2,-25.7)
y0 = 1/5*x0-69
plt.plot(x0,y0,color='black')
x0 = np.linspace(33.333,17.81)
y0 = 1/40*x0+2200/40
plt.plot(x0,y0,color='black')
x0 = np.linspace(55.833,65.864)
y0 = 4/67*x0+30
plt.plot(x0,y0,color='black')
x0 = np.linspace(60.0,68.0)
y0 = 0.5*x0+1
plt.plot(x0,y0,color='black')
x0 = np.linspace(68.0,70.5)
y0 = -0.5*x0+69
plt.plot(x0,y0,color='black')
x0 = np.linspace(60.667,60.0)
y0 = -x0+91
plt.plot(x0,y0,color='black')
x0 = np.linspace(60.667,68.0)
y0 = 0.5*x0
plt.plot(x0,y0,color='black')
x0 = np.linspace(68.0,70.5)
y0 = -0.5*x0+68
plt.plot(x0,y0,color='black')
x0 = np.linspace(28.695,20.726)
y0 = -1/6*x0+400/6
plt.plot(x0,y0,color='black')
x0 = np.linspace(63.212,70.5)
y0 = -67/4*x0-24.5*67/4
plt.plot(x0,y0,color='black')
x0 = np.linspace(28.685,29.209)
y0 = 4/67*x0+25
plt.plot(x0,y0,color='black')
x0 = np.linspace(27.803,21.636)
y0 = -1/6*x0+410/6
plt.plot(x0,y0,color='black')
x0 = np.linspace(63.7,70.5)
y0 = 4/67*x0+24
plt.plot(x0,y0,color='black')
x0 = np.linspace(64.727,70.5)
y0 = -4/67*x0+25.5
plt.plot(x0,y0,color='black')
x0 = np.linspace(53.7155,70.5)
y0 = 4/67*x0+14.5
plt.plot(x0,y0,color='black')
x0 = np.linspace(54.046,70.5)
y0 = 4/67*x0+12.5
plt.plot(x0,y0,color='black')
x0 = np.linspace(54.458,70.5)
y0 = 4/67*x0+10
```

```
plt.plot(x0,y0,color='black')
x0 = np.linspace(17.707,13.251)
y0 = 1/-6*x0+340/6
plt.plot(x0,y0,color='black')
x0 = np.linspace(13.332,-80.0)
y0 = 1/-7*x0+404/7
plt.plot(x0,y0,color='black')
x0 = np.linspace(56.518,70.5)
y0 = 4/67*x0+5
plt.plot(x0,y0,color='black')
x0 = np.linspace(-18.0,-1.875)
y0 = -1/6*x0+405/6
plt.plot(x0,y0,color='black')
x0 = np.linspace(-1.875,5.714)
y0 = 1/10*x0+680/10
plt.plot(x0,y0,color='black')
x0 = np.linspace(5.714,7.6)
y0 = 1/3*x0+200/3
plt.plot(x0,y0,color='black')
x0 = np.linspace(69.2,70.5)
y0 = 1/2*x0-27
plt.plot(x0,y0,color='black')
x0 = np.linspace(-3.0,0.0)
y0 = -1/6*x0+420/6
plt.plot(x0,y0,color='black')
x0 = np.linspace(0.0,5.0)
y0 = 10*x0-700
plt.plot(x0,y0,color='black')
x0 = np.linspace(64.025,70.5)
y0 = 4/67*x0-48
plt.plot(x0,y0,color='black')
x0 = np.linspace(65.017,70.5)
y0 = 4/67*x0-55
plt.plot(x0,y0,color='black')
x0 = np.linspace(64.592,70.5)
y0 = 4/67*x0-52
plt.plot(x0,y0,color='black')
x0 = np.linspace(-33.0,8.793)
y0 = -1/6*x0+390/6
plt.plot(x0,y0,color='black')
x0 = np.linspace(52.415,55.833)
y0 = 2.4*x0-100.666
plt.plot(x0,y0,color='black')
x0 = np.linspace(-10.0,17.707)
y0 = 1/2.4*x0+111.2/2.4
plt.plot(x0,y0,color='black')
x0 = np.linspace(13.251,-10.0)
y0 =1/ 2.4*x0+117.45/2.4
plt.plot(x0,y0,color='black')
x0 = np.linspace(48.489,54.0)
y0 = 4/67*x0+22
plt.plot(x0,y0,color='black')
x0 = np.linspace(48.892,54.0)
y0 = 4/67*x0+21
```

```
plt.plot(x0,y0,color='black')
x0 = np.linspace(24.895,17.853)
y0 = 1/10*x0+460/10
plt.plot(x0,y0,color='black')
x0 = np.linspace(23.92,18.889)
y0 = 1/10*x0+465/10
plt.plot(x0,y0,color='black')
x0 = np.linspace(17.855,18.005)
y0 = 67/4*x0-15*67/4
plt.plot(x0,y0,color='black')
x0 = np.linspace(48.4,50.167)
y0 = 4/67*x0+16
plt.plot(x0,y0,color='black')
x0 = np.linspace(12.0,20.225)
y0 = -1/6*x0+320/6
plt.plot(x0,y0,color='black')
x0 = np.linspace(16.286,13.0)
y0 = -1/6*x0+335/6
plt.plot(x0,y0,color='black')
x0 = np.linspace(23.0,15.143)
y0 = -1/6*x0+331/6
plt.plot(x0,y0,color='black')
x0 = np.linspace(20.225,22.975)
y0 = 1/2*x0+79.7/2
plt.plot(x0,y0,color='black')
x0 = np.linspace(13.849,17.951)
y0 = 2.4*x0-100.666
plt.plot(x0,y0,color='black')
x0 = np.linspace(44.364,49.0)
y0 = 4/67*x0+11
plt.plot(x0,y0,color='black')
x0 = np.linspace(44.8675,49.0)
y0 = 4/67*x0+10
plt.plot(x0,y0,color='black')
x0 = np.linspace(13.649,7.6126)
y0 = 1/10*x0+430/10
plt.plot(y0,x0,color='black')
x0 = np.linspace(12.679,8.655)
y0 = 1-10*x0+436/10
plt.plot(y0,x0,color='black')
x0 = np.linspace(43.761,46.207)
y0 = 4/67*x0+5
plt.plot(x0,y0,color='black')
x0 = np.linspace(44.465,46.042)
y0 = 4/67*x0+6
plt.plot(x0,y0,color='black')
x0 = np.linspace(9.75,2.0)
y0 = -1/6*x0+285/6
plt.plot(y0,x0,color='black')
x0 = np.linspace(12.25,4.857)
y0 = -1-6*x0+295/6
plt.plot(y0,x0,color='black')
x0 = np.linspace(9.75,12.25)
y0 = 1/2*x0+82/2
```

```
plt.plot(y0,x0,color='black')
x0 = np.linspace(-10.0,15.727)
y0 = 1/2.4*x0+114/2.4
plt.plot(y0,x0,color='black')
x0 = np.linspace(-9.944,-52.0)
y0 = -1/10*x0+438/10
plt.plot(y0,x0,color='black')
x0 = np.linspace(-67.0,-80.0)
y0 = -1/10*x0+438/10
plt.plot(y0,x0,color='black')
x0 = np.linspace(-6.579,-48.118)
y0 = -1/9*x0+460/9
plt.plot(y0,x0,color='black')
x0 = np.linspace(-2.754,-48.391)
y0 = -1/9*x0+455/9
plt.plot(y0,x0,color='black')
x0 = np.linspace(-6.579,-1.842)
y0 = 1/10*x0+525/10
plt.plot(y0,x0,color='black')
x0 = np.linspace(52.316,53.6)
y0 = 1/2*x0-28
plt.plot(x0,y0,color='black')
x0 = np.linspace(-1.2,-3.667)
y0 = -1/2*x0+1062
plt.plot(x0,y0,color='black')
x0 = np.linspace(-3.667,-46.196)
y0 = -1/8*x0+435/8
plt.plot(y0,x0,color='black')
x0 = np.linspace(5.342,-45.585)
y0 = -1/8*x0+445/8
plt.plot(y0,x0,color='black')
x0 = np.linspace(45.196,56.512)
y0 = 11187/5659*x0-103.3
plt.plot(x0,y0,color='black')
x0 = np.linspace(49.0,64.025)
y0 = 7822/15025*x0-1164578/15025
plt.plot(y0,x0,color='black')
x0 = np.linspace(52.716,64.599)
y0 = 7822/15025*x0-49145991/601000
plt.plot(x0,y0,color='black')
x0 = np.linspace(52.874,65.099)
y0 = 7822/15025*x0-51087401/601000
plt.plot(x0,y0,color='black')
x0 = np.linspace(39.063,46.636)
y0 = x0-75
plt.plot(x0,y0,color='black')
x0 = np.linspace(40.591,46.295)
y0 = 7822/15025*x0-80
plt.plot(x0,y0,color='black')
x0 = np.linspace(-63.034,-77.514)
y0 = -1/15*x0+570/15
plt.plot(y0,x0,color='black')
x0 = np.linspace(-62.027,-78.391)
y0 = -1/15*x0+600/15
```

```
plt.plot(y0,x0,color='black')
x0 = np.linspace(-63.034,-62.027)
y0 = 15025/7822*x0-51087401/601000*15025/7822
plt.plot(y0,x0,color='black')
x0 = np.linspace(-76.929,16.125)
y0 = -1/15*x0+550/15
plt.plot(y0,x0,color='black')
x0 = np.linspace(34.613,46.372)
y0 = 4/67*x0+14
plt.plot(x0,y0,color='black')
x0 = np.linspace(16.768,22.71)
y0 = 1/-6*x0+295/6
plt.plot(y0,x0,color='black')
x0 = np.linspace(42.305,48.288)
y0 = 4/67*x0+20
plt.plot(x0,y0,color='black')
x0 = np.linspace(35.018,43.401)
y0 = 4/67*x0+16
plt.plot(x0,y0,color='black')
x0 = np.linspace(22.552,18.591)
y0 = -1/6*x0+279/6
plt.plot(y0,x0,color='black')
x0 = np.linspace(42.71,48.489)
y0 = 4/67*x0+22
plt.plot(x0,y0,color='black')
x0 = np.linspace(22.525,24.55)
y0 = 1/5*x0+189/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(16.066,18.091)
y0 = 1/5*x0+157/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(30.143,24.719)
y0 = -1/6*x0+298/6
plt.plot(y0,x0,color='black')
x0 = np.linspace(30.626,27.239)
y0 = -1/6*x0+347/6
plt.plot(y0,x0,color='black')
x0 = np.linspace(24.67,28.715)
y0 = -1/6*x0+293/6
plt.plot(y0,x0,color='black')
x0 = np.linspace(44.0475,44.643)
y0 = 2.4*x0-77
plt.plot(x0,y0,color='black')
x0 = np.linspace(30.143,30.626)
y0 = 67/4*x0-1841009/67000*67/4
plt.plot(y0,x0,color='black')
x0 = np.linspace(42.766,44.048)
y0 = 4/67*x0+873823/33500
plt.plot(x0,y0,color='black')
x0 = np.linspace(28.637,31.628)
y0 = 1/2.4*x0+74/2.4
plt.plot(y0,x0,color='black')
x0 = np.linspace(44.011,53.555)
y0 = 4/67*x0+29
```

```
plt.plot(x0,y0,color='black')
x0 = np.linspace(32.197,30.425)
y0 = 1/40*x0+2110/40
plt.plot(y0,x0,color='black')
x0 = np.linspace(29.143,30.426)
y0 = 1/2.4*x0-98/2.4
plt.plot(y0,x0,color='black')
x0 = np.linspace(45.051,53.138)
y0 = 4/67*x0+25
plt.plot(x0,y0,color='black')
x0 = np.linspace(26.261,27.689)
y0 = 1/2.4*x0+80.4348/2.4
plt.plot(y0,x0,color='black')
x0 = np.linspace(36.787,45.806)
y0 = 4/67*x0-4
plt.plot(x0,y0,color='black')
x0 = np.linspace(36.92,44.952)
y0 = 4/67*x0-6
plt.plot(x0,y0,color='black')
x0 = np.linspace(37.849,45.528)
y0 = 4/67*x0-20
plt.plot(x0,y0,color='black')
x0 = np.linspace(37.717,45.329)
y0 = 4/67*x0-18
plt.plot(x0,y0,color='black')
x0 = np.linspace(-7.042,-30.701)
y0 = -1/17*x0+500/17
plt.plot(y0,x0,color='black')
x0 = np.linspace(-32.718,-73.494)
y0 = -1/17*x0+500/17
plt.plot(y0,x0,color='black')
x0 = np.linspace(33.73,49.0)
y0 = -26/61*x0-3606/61
plt.plot(y0,x0,color='black')
x0 = np.linspace(28.78,34.629)
y0 = 22646/5833*x0-118.37528
plt.plot(x0,y0,color='black')
x0 = np.linspace(-6.64,-7.042)
y0 = -523/201*x0+115603/26150*523/201
plt.plot(y0,x0,color='black')
x0 = np.linspace(29.826,35.633)
y0 = 22646/5833*x0-358257791/2916500
plt.plot(x0,y0,color='black')
x0 = np.linspace(30.455,37.717)
y0 = 7477/3251*x0-166611343/1625500
plt.plot(x0,y0,color='black')
x0 = np.linspace(31.149,37.849)
y0 = 7477/3251*x0-340669713/3251000
plt.plot(x0,y0,color='black')
x0 = np.linspace(30.455,31.149)
y0 = -x0-2
plt.plot(x0,y0,color='black')
x0 = np.linspace(-9.154,-16.171)
y0 = -1/17*x0+520/17
```

```
plt.plot(y0,x0,color='black')
x0 = np.linspace(-5.436,-13.787)
y0 = -1/17*x0+540/17
plt.plot(y0,x0,color='black')
x0 = np.linspace(-1.717,-11.404)
y0 = -1/17*x0+560/17
plt.plot(y0,x0,color='black')
x0 = np.linspace(2.782,-8.437)
y0 = -1/16*x0+550/16
plt.plot(y0,x0,color='black')
x0 = np.linspace(7.758,-5.126)
y0 = -1/15*x0+540/15
plt.plot(y0,x0,color='black')
x0 = np.linspace(30.503,31.54)
y0 = 7477/3251*x0-72097909/812750
plt.plot(x0,y0,color='black')
x0 = np.linspace(30.169,31.127)
y0 = 22646/5833*x0-130
plt.plot(x0,y0,color='black')
x0 = np.linspace(32.084,33.043)
y0 = 22646/5833*x0-130
plt.plot(x0,y0,color='black')
x0 = np.linspace(32.575,33.613)
y0 = 7477/3251*x0-72097909/812750
plt.plot(x0,y0,color='black')
x0 = np.linspace(34.902,36.342)
y0 = 7477/3251*x0-72097909/812750
plt.plot(x0,y0,color='black')
x0 = np.linspace(34.201,35.483)
y0 = 22646/5833*x0-130
plt.plot(x0,y0,color='black')
x0 = np.linspace(-80.0,-72.2)
y0 = 133/78*x0-(45751/665*(133/78))
plt.plot(y0,x0,color='black')
x0 = np.linspace(-72.2,-80.0)
y0 = -133/78*x0-(7871/133*(133/78))
plt.plot(y0,x0,color='black')
x0 = np.linspace(73.0,28.571)
y0 = -1/12*x0+80/12
#798
plt.plot(y0,x0,color='black')
x0 = np.linspace(12.0,28.571)
y0 = -1/5*x0+50/5
plt.plot(y0,x0,color='black')
x0 = np.linspace(8.0,6.522)
y0 = -1/5*x0+505
plt.plot(x0,y0,color='black')
x0 = np.linspace(6.522,-20.0)
y0 = -1/2.7*x0+30/2.7
plt.plot(y0,x0,color='black')
x0 = np.linspace(-25.0,-41.733)
y0 = -1/2*x0+22/2
plt.plot(y0,x0,color='black')
x0 = np.linspace(-62.645,-30.0)
```

```
y0 = -1/1.5*x0-13/1.5
plt.plot(y0,x0,color='black')
x0 = np.linspace(-30.0,-67.032)
y0 = -1/1.5*x0-17/1.5
plt.plot(y0,x0,color='black')
x0 = np.linspace(19.0,15.0)
y0 = -0.5*x0-36
plt.plot(x0,y0,color='black')
x0 = np.linspace(0.0,15.0)
y0 = -0.3*x0-39
plt.plot(x0,y0,color='black')
x0 = np.linspace(73.0,34.0)
y0 = 1/8*x0-126/8
plt.plot(y0,x0,color='black')
x0 = np.linspace(34.0,12.0)
y0 = 1/4*x0-80/4
plt.plot(y0,x0,color='black')
x0 = np.linspace(76.0,73.0)
y0 = 1/3*x0-71.251/3
plt.plot(y0,x0,color='black')
x0 = np.linspace(76.0,73.0)
y0 = -1/3*x0+53.125/3
plt.plot(y0,x0,color='black')
x0 = np.linspace(76.0,81.583)
y0 = -1/3.52685*x0+81.58300355/3.52685
plt.plot(y0,x0,color='black')
x0 = np.linspace(76.0,81.583)
y0 = 1/3.52685*x0-102.89221/3.52685
plt.plot(y0,x0,color='black')
x0 = np.linspace(48.0,15.0)
y0 = -1/12*x0
plt.plot(y0,x0,color='black')
x0 = np.linspace(48.0,15.0)
y0 = 1/12*x0-96/12
plt.plot(y0,x0,color='black')
x0 = np.linspace(1.6,-20.0)
y0 = -1/2.7*x0
plt.plot(y0,x0,color='black')
x0 = np.linspace(1.6,-6.818)
y0 = 1/2.7*x0-30/2.7
plt.plot(y0,x0,color='black')
x0 = np.linspace(0.0,15.0)
y0 = -0.3*x0-35
plt.plot(x0,y0,color='black')
x0 = np.linspace(0.909,-1.0)
y0 = -x0+70
plt.plot(x0,y0,color='black')
x0 = np.linspace(1.182,-4.0)
y0 = -x0+67
plt.plot(x0,y0,color='black')
x0 = np.linspace(1.455,-6.889)
y0 = -x0+64
plt.plot(x0,y0,color='black')
x0 = np.linspace(1.727,-7.222)
```

```
y0 = -x0+61
plt.plot(x0,y0,color='black')
x0 = np.linspace(2.0,-7.556)
y0 = -x0+58
plt.plot(x0,y0,color='black')
x0 = np.linspace(2.273,-7.889)
y0 = -x0+55
plt.plot(x0,y0,color='black')
x0 = np.linspace(2.545,-8.222)
y0 = -x0+52
plt.plot(x0,y0,color='black')
x0 = np.linspace(2.818,-8.556)
y0 = -x0+49
plt.plot(x0,y0,color='black')
x0 = np.linspace(3.091,-8.889)
y0 = -x0+46
plt.plot(x0,y0,color='black')
x0 = np.linspace(3.364,-3.909)
y0 = -x0+43
plt.plot(x0,y0,color='black')
x0 = np.linspace(-4.077,-9.222)
y0 = -x0+43
plt.plot(x0,y0,color='black')
x0 = np.linspace(3.636,-3.636)
y0 = -x0+40
plt.plot(x0,y0,color='black')
x0 = np.linspace(-4.308,-9.556)
y0 = -x0+40
plt.plot(x0,y0,color='black')
x0 = np.linspace(3.909,-3.364)
y0 = -x0+37
plt.plot(x0,y0,color='black')
x0 = np.linspace(-4.538,-9.889)
y0 = -x0+37
plt.plot(x0,y0,color='black')
x0 = np.linspace(4.182,-3.091)
y0 = -x0+34
plt.plot(x0,y0,color='black')
x0 = np.linspace(-4.769,-10.222)
y0 = -x0+34
plt.plot(x0,y0,color='black')
x0 = np.linspace(4.75,-2.818)
y0 = -x0+31
plt.plot(x0,y0,color='black')
x0 = np.linspace(-5.0,-10.556)
y0 = -x0+31
plt.plot(x0,y0,color='black')
x0 = np.linspace(5.5,-2.545)
y0 = -x0+28
plt.plot(x0,y0,color='black')
x0 = np.linspace(-5.231,-10.889)
y0 = -x0+28
plt.plot(x0,y0,color='black')
x0 = np.linspace(6.25,-2.273)
```

```
y0 = -x0+25
plt.plot(x0,y0,color='black')
x0 = np.linspace(-5.462,-11.222)
y0 = -x0+25
plt.plot(x0,y0,color='black')
x0 = np.linspace(7.0,-2.0)
y0 = -x0+22
plt.plot(x0,y0,color='black')
x0 = np.linspace(-5.692,-11.6)
y0 = -x0+22
plt.plot(x0,y0,color='black')
x0 = np.linspace(7.0,-1.727)
y0 = -x0+19
plt.plot(x0,y0,color='black')
x0 = np.linspace(-5.923,-12.2)
y0 = -x0+19
plt.plot(x0,y0,color='black')
x0 = np.linspace(4.0,-1.455)
y0 = -x0+16
plt.plot(x0,y0,color='black')
x0 = np.linspace(-6.154,-12.8)
y0 = -x0+16
plt.plot(x0,y0,color='black')
x0 = np.linspace(1.0,-2.0)
y0 = -x0+13
plt.plot(x0,y0,color='black')
x0 = np.linspace(-6.385,-13.4)
y0 = -x0+13
plt.plot(x0,y0,color='black')
x0 = np.linspace(-2.0,-5.0)
y0 = -x0+10
plt.plot(x0,y0,color='black')
x0 = np.linspace(-6.615,-14.0)
y0 = -x0+10
plt.plot(x0,y0,color='black')
x0 = np.linspace(-5.0,-14.6)
y0 = -x0+7
plt.plot(x0,y0,color='black')
x0 = np.linspace(-8.0,-15.2)
y0 = -x0+4
plt.plot(x0,y0,color='black')
x0 = np.linspace(-11.0,-15.8)
y0 = -x0+1
plt.plot(x0,y0,color='black')
x0 = np.linspace(-14.0,-16.4)
y0 = -x0-2
plt.plot(x0,y0,color='black')
x0 = np.linspace(-7.286,-4.0)
y0 = x0+75
plt.plot(x0,y0,color='black')
x0 = np.linspace(-7.714,-1.0)
y0 = x0+72
plt.plot(x0,y0,color='black')
x0 = np.linspace(-8.143,0.846)
```

```
y0 = x0+69
plt.plot(x0,y0,color='black')
x0 = np.linspace(-8.571,1.077)
y0 = x0+66
plt.plot(x0,y0,color='black')
x0 = np.linspace(-9.0,1.308)
y0 = x0+63
plt.plot(x0,y0,color='black')
x0 = np.linspace(-9.429,1.538)
y0 = x0+60
plt.plot(x0,y0,color='black')
x0 = np.linspace(-9.857,1.769)
y0 = x0+57
plt.plot(x0,y0,color='black')
x0 = np.linspace(-10.286,2.0)
y0 = x0+54
plt.plot(x0,y0,color='black')
x0 = np.linspace(-10.714,-4.091)
y0 = x0+51
plt.plot(x0,y0,color='black')
x0 = np.linspace(-3.923,2.231)
y0 = x0+51
plt.plot(x0,y0,color='black')
x0 = np.linspace(-11.143,-4.364)
y0 = x0+48
plt.plot(x0,y0,color='black')
x0 = np.linspace(-3.692,2.462)
y0 = x0+48
plt.plot(x0,y0,color='black')
x0 = np.linspace(-11.667,-4.636)
y0 = x0+45
plt.plot(x0,y0,color='black')
x0 = np.linspace(-3.462,2.692)
y0 = x0+45
plt.plot(x0,y0,color='black')
x0 = np.linspace(-12.667,-4.909)
y0 = x0+42
plt.plot(x0,y0,color='black')
x0 = np.linspace(-3.231,2.923)
y0 = x0+42
plt.plot(x0,y0,color='black')
x0 = np.linspace(-13.667,-5.182)
y0 = x0+39
plt.plot(x0,y0,color='black')
x0 = np.linspace(-3.0,3.154)
y0 = x0+39
plt.plot(x0,y0,color='black')
x0 = np.linspace(-14.667,-5.5)
y0 = x0+36
plt.plot(x0,y0,color='black')
x0 = np.linspace(-2.769,3.385)
y0 = x0+36
plt.plot(x0,y0,color='black')
x0 = np.linspace(-15.667,-5.727)
```

```
y0 = x0+33
plt.plot(x0,y0,color='black')
x0 = np.linspace(-2.538,3.615)
y0 = x0+33
plt.plot(x0,y0,color='black')
x0 = np.linspace(-16.667,-6.0)
y0 = x0+30
plt.plot(x0,y0,color='black')
x0 = np.linspace(-2.308,3.846)
y0 = x0+30
plt.plot(x0,y0,color='black')
x0 = np.linspace(-15.0,-6.273)
y0 = x0+27
plt.plot(x0,y0,color='black')
x0 = np.linspace(-2.077,4.077)
y0 = x0+27
plt.plot(x0,y0,color='black')
x0 = np.linspace(-12.0,-6.545)
y0 = x0+24
plt.plot(x0,y0,color='black')
x0 = np.linspace(-1.846,4.333)
y0 = x0+24
plt.plot(x0,y0,color='black')
x0 = np.linspace(-9.0,-6.0)
y0 = x0+21
plt.plot(x0,y0,color='black')
x0 = np.linspace(-1.615,4.833)
y0 = x0+21
plt.plot(x0,y0,color='black')
x0 = np.linspace(-6.0,-3.0)
y0 = x0+18
plt.plot(x0,y0,color='black')
x0 = np.linspace(-1.385,5.333)
y0 = x0+18
plt.plot(x0,y0,color='black')
x0 = np.linspace(-3.0,5.833)
y0 = x0+15
plt.plot(x0,y0,color='black')
x0 = np.linspace(0.0,6.333)
y0 = x0+12
plt.plot(x0,y0,color='black')
x0 = np.linspace(3.0,6.833)
y0 = x0+9
plt.plot(x0,y0,color='black')
x0 = np.linspace(6.0,7.333)
y0 = x0+6
plt.plot(x0,y0,color='black')
x0 = np.linspace(5.0,8.0)
y0 = -4/3*x0+11*4/3
plt.plot(y0,x0,color='black')
x0 = np.linspace(5.0,8.0)
y0 = -4/3*x0+7*4/3
plt.plot(y0,x0,color='black')
x0 = np.linspace(5.0,8.0)
```

```
y0 = -4/3*x0+3*4/3
plt.plot(y0,x0,color='black')
x0 = np.linspace(5.0,8.0)
y0 = -4/3*x0-1*4/3
plt.plot(y0,x0,color='black')
x0 = np.linspace(5.0,8.0)
y0 = -4/3*x0-5*4/3
plt.plot(y0,x0,color='black')
x0 = np.linspace(5.0,8.0)
y0 = 4/3*x0-1*4/3
plt.plot(y0,x0,color='black')
x0 = np.linspace(5.0,8.0)
y0 = 4/3*x0-5*4/3
plt.plot(y0,x0,color='black')
x0 = np.linspace(5.0,8.0)
y0 = 4/3*x0-9*4/3
plt.plot(y0,x0,color='black')
x0 = np.linspace(5.0,8.0)
y0 = 4/3*x0-13*4/3
plt.plot(y0,x0,color='black')
x0 = np.linspace(5.0,8.0)
y0 = 4/3*x0-17*4/3
plt.plot(y0,x0,color='black')
x0 = np.linspace(1.892,8.6)
y0 = x0-7
plt.plot(x0,y0,color='black')
x0 = np.linspace(4.054,12.162)
y0 = x0-15
plt.plot(x0,y0,color='black')
x0 = np.linspace(6.216,14.324)
y0 = x0-23
plt.plot(x0,y0,color='black')
x0 = np.linspace(11.0,16.486)
y0 = x0-31
plt.plot(x0,y0,color='black')
x0 = np.linspace(1.6,-20.0)
y0 = -1/2.7*x0+16/2.7
plt.plot(y0,x0,color='black')
x0 = np.linspace(1.44,12.58)
y0 = -1/2*x0+2.324
plt.plot(x0,y0,color='black')
x0 = np.linspace(1.216,14.853)
y0 = -1/2*x0-2.676
plt.plot(x0,y0,color='black')
x0 = np.linspace(3.489,17.125)
y0 = -1/2*x0-7.676
plt.plot(x0,y0,color='black')
x0 = np.linspace(5.762,14.648)
y0 = -1/2*x0-12.676
plt.plot(x0,y0,color='black')
x0 = np.linspace(-11.774,-14.961)
y0 = -1/2*x0-7.676
plt.plot(x0,y0,color='black')
x0 = np.linspace(-13.336,-13.85)
```

```
y0 = -1/2*x0-12.676
plt.plot(x0,y0,color='black')
x0 = np.linspace(0.0,1.6)
y0 = x0-15
plt.plot(x0,y0,color='black')
x0 = np.linspace(-30.0,-29.333)
y0 = x0+55
plt.plot(y0,x0,color='black')
x0 = np.linspace(-30.0,-26.0)
y0 = x0+50
plt.plot(y0,x0,color='black')
x0 = np.linspace(-30.0,-25.0)
y0 = x0+45
plt.plot(y0,x0,color='black')
x0 = np.linspace(-30.0,-25.0)
y0 = x0+40
plt.plot(x0,x0,color='black')
x0 = np.linspace(-30.0,-25.0)
y0 = x0+35
plt.plot(y0,x0,color='black')
x0 = np.linspace(-30.0,-25.0)
y0 = x0+30
plt.plot(y0,x0,color='black')
x0 = np.linspace(-30.0,-25.0)
y0 = x0+25
plt.plot(y0,x0,color='black')
x0 = np.linspace(-30.0,-25.0)
y0 = x0+20
plt.plot(y0,x0,color='black')
x0 = np.linspace(-28.947,-25.0)
y0 = x0+15
plt.plot(y0,x0,color='black')
x0 = np.linspace(-30.0,-25.0)
y0 = -x0-5
plt.plot(y0,x0,color='black')
x0 = np.linspace(-30.0,-25.0)
y0 = -x0-10
plt.plot(y0,x0,color='black')
x0 = np.linspace(-30.0,-25.0)
y0 = -x0-15
plt.plot(y0,x0,color='black')
x0 = np.linspace(-30.0,-25.0)
y0 = -x0-20
plt.plot(y0,x0,color='black')
x0 = np.linspace(-30.0,-25.0)
y0 = -x0-25
plt.plot(y0,x0,color='black')
x0 = np.linspace(-30.0,-25.0)
y0 = -x0-30
plt.plot(y0,x0,color='black')
x0 = np.linspace(-30.0,-25.0)
y0 = -x0-35
plt.plot(y0,x0,color='black')
x0 = np.linspace(-30.0,-26.19)
```

```
y0 = -x0-40
plt.plot(y0,x0,color='black')
x0 = np.linspace(-38.462,-36.8)
y0 = x0+50
plt.plot(y0,x0,color='black')
x0 = np.linspace(-37.769,-35.0)
y0 = x0+47
plt.plot(y0,x0,color='black')
x0 = np.linspace(-37.077,-33.2)
y0 = x0+44
plt.plot(y0,x0,color='black')
x0 = np.linspace(-36.385,-31.4)
y0 = x0+41
plt.plot(y0,x0,color='black')
x0 = np.linspace(-35.692,-30.0)
y0 = x0+38
plt.plot(y0,x0,color='black')
x0 = np.linspace(-35.0,-30.0)
y0 = x0+35
plt.plot(y0,x0,color='black')
x0 = np.linspace(-35.0,-30.0)
y0 = x0+32
plt.plot(y0,x0,color='black')
x0 = np.linspace(-35.0,-30.0)
y0 = x0+29
plt.plot(y0,x0,color='black')
x0 = np.linspace(-35.0,-30.0)
y0 = x0-26
plt.plot(y0,x0,color='black')
x0 = np.linspace(-35.0,-30.0)
y0 = x0+23
plt.plot(y0,x0,color='black')
x0 = np.linspace(-33.346,-30.0)
y0 = x0-20
plt.plot(y0,x0,color='black')
x0 = np.linspace(-31.053,-30.0)
y0 = x0+17
plt.plot(y0,x0,color='black')
x0 = np.linspace(-32.0,-30.0)
y0 = -x0-22
plt.plot(y0,x0,color='black')
x0 = np.linspace(-30.0,-39.286)
y0 = -x0-25
plt.plot(y0,x0,color='black')
x0 = np.linspace(-38.0,-30.0)
y0 = -x0-28
plt.plot(y0,x0,color='black')
x0 = np.linspace(-36.714,-30.0)
y0 = -x0-31
plt.plot(y0,x0,color='black')
x0 = np.linspace(-35.429,-30.0)
y0 = -x0-34
plt.plot(y0,x0,color='black')
x0 = np.linspace(-35.0,-30.0)
```

```
y0 = -x0-37
plt.plot(y0,x0,color='black')
x0 = np.linspace(-35.0,-30.0)
y0 = -x0-40
plt.plot(y0,x0,color='black')
x0 = np.linspace(-35.0,-30.0)
y0 = -x0-43
plt.plot(y0,x0,color='black')
x0 = np.linspace(-35.0,-31.905)
y0 = -x0-46
plt.plot(y0,x0,color='black')
x0 = np.linspace(-30.0,-55.148)
y0 = -1/1.75*x0+2/1.75
plt.plot(y0,x0,color='black')
x0 = np.linspace(14.0,18.0)
y0 = x0-48
plt.plot(x0,y0,color='black')
x0 = np.linspace(17.2,26.0)
y0 = x0-56
plt.plot(x0,y0,color='black')
x0 = np.linspace(20.4,28.667)
y0 = x0-64
plt.plot(x0,y0,color='black')
x0 = np.linspace(23.6,31.333)
y0 = x0-72
plt.plot(x0,y0,color='black')
x0 = np.linspace(26.8,32.222)
y0 = x0-80
plt.plot(x0,y0,color='black')
x0 = np.linspace(30.0,32.667)
y0 = x0-88
plt.plot(x0,y0,color='black')
x0 = np.linspace(14.0,29.077)
y0 = -1/7*x0-32
plt.plot(x0,y0,color='black')
x0 = np.linspace(17.316,31.5)
y0 = -1/7*x0-36.5
plt.plot(x0,y0,color='black')
x0 = np.linspace(20.632,32.093)
y0 = -1/7*x0-41
plt.plot(x0,y0,color='black')
x0 = np.linspace(23.947,32.36)
y0 = -1/7*x0-45.5
plt.plot(x0,y0,color='black')
x0 = np.linspace(27.263,32.627)
y0 = -1/7*x0-50
plt.plot(x0,y0,color='black')
x0 = np.linspace(30.579,32.894)
y0 = -1/7*x0-54.5
plt.plot(x0,y0,color='black')
x0 = np.linspace(-74.265,-60.904)
y0 = -1/17*x0+530/17
plt.plot(y0,x0,color='black')
x0 = np.linspace(-75.551,-59.419)
```

```
y0 = -1/17*x0+580/17
plt.plot(y0,x0,color='black')
x0 = np.linspace(34.759,37.618)
y0 = 7822/15025*x0-79
plt.plot(x0,y0,color='black')
x0 = np.linspace(-80.0,-61.081)
y0 = -1/7*x0+395/7
plt.plot(x0,y0,color='black')
x0 = np.linspace(-80.0,-62.119)
y0 = -1/7*x0+380/7
plt.plot(x0,y0,color='black')
x0 = np.linspace(63.158,65.155)
y0 = 7822/15025*x0-95
plt.plot(x0,y0,color='black')
x0 = np.linspace(-61.0,-52.0)
y0 = -1/20*x0+1000/20
plt.plot(x0,y0,color='black')
x0 = np.linspace(-61.0,-52.0)
y0 = -1/20*x0+870/20
plt.plot(x0,y0,color='black')
x0 = np.linspace(-61.0,-80.0)
y0 = -1/20*x0+943/20
plt.plot(y0,x0,color='black')
x0 = np.linspace(-61.0,-80.0)
y0 = -1/20*x0+93020
plt.plot(x0,y0,color='black')
x0 = np.linspace(32.761,34.43)
y0 = x0-75
plt.plot(x0,y0,color='black')
x0 = np.linspace(38.125,35.59)
y0 = x0-75
plt.plot(x0,y0,color='black')
x0 = np.linspace(33.75,35.444)
y0 = 7822/15025*x0-76
plt.plot(x0,y0,color='black')
x0 = np.linspace(36.681,39.367)
y0 = 7822/15025*x0-76
plt.plot(x0,y0,color='black')
x0 = np.linspace(-42.222,-58.439)
y0 = -1/17*x0+515/17
plt.plot(y0,x0,color='black')
x0 = np.linspace(-57.548,-40.556)
y0 = -1/17*x0+545/17
plt.plot(y0,x0,color='black')
x0 = np.linspace(-39.412,-56.904)
y0 = -1/16*x0+530/16
plt.plot(y0,x0,color='black')
x0 = np.linspace(-36.875,-55.506)
y0 = -1/15*x0+535/15
plt.plot(y0,x0,color='black')

plt.vlines(-70.5,-80,100,color="black")
#y
plt.hlines(100,-70.5,70.5,color="black")
```

```
plt.vlines(70.5,-80,100,color="black")
plt.hlines(-80,-70.5,70.5,color="black")
plt.hlines(68.5,-70.5,-67.5,color="black")
plt.hlines(66,-70.5,-68.75,color="black")
plt.vlines(-51.5,68,69.865,color="black")
plt.vlines(-52,67.6,69.2,color="black")
plt.hlines(67.6,-58.75,-52,color="black")
plt.hlines(67.6,-58.75,-52,color="black")
plt.hlines(67,-58.87,-52,color="black")
plt.vlines(-46.8,64.806,66,color="black")
plt.vlines(-22.5,7.87,9.943,color="black")
plt.vlines(-26,30.25,34.5,color="black")
plt.hlines(34.5,-32.323,-26,color="black")
plt.hlines(35.3,-32.643,-25.8,color="black")
plt.hlines(33.5,-26,-25.35,color="black")
plt.vlines(-31.25,35.3,35.6,color="black")
plt.vlines(-30.7,35.3,35.6,color="black")
plt.hlines(35.6,-31.37,-30.6,color="black")
plt.vlines(-30.6,35.6,35.85,color="black")
plt.vlines(-31.37,35.6,35.85,color="black")
plt.hlines(35.85,-31.37,-30.6,color="black")
plt.hlines(30.25,-27,-25,color="black")
plt.hlines(28.5,-24.875,-24.575,color="black")
plt.hlines(29.8,-26.7,-25.2,color="black")
plt.vlines(-25,26,29,color="black")
plt.vlines(-25.75,27.5,29.8,color="black")
plt.hlines(26,-25,-23,color="black")
plt.hlines(22.9,-22.3,-21.4,color="black")
plt.hlines(25,-24.5,-23,color="black")
plt.vlines(-24.5,23.5,25,color="black")
plt.hlines(21.5,-24,-22.3,color="black")
#61
plt.vlines(-22.3,21.5,22.9,color="black")
plt.hlines(21.5,-25.5,-22,color="black")

plt.vlines(-23.4,21.5,23,color="black")
plt.hlines(20.5,-25.833,-22.467,color="black")
plt.hlines(20.5,-22,-21.667,color="black")
plt.vlines(-22,18,20.5,color="black")
plt.hlines(18,-22.5,-22,color="black")
plt.vlines(-22.5,18,20.5,color="black")
plt.vlines(-23.31,11.968,18.12,color="black")
plt.vlines(-25.5,17.443,20.5,color="black")
plt.hlines(60,-67,-66.2,color="black")
plt.vlines(-53.004,26.984,30.836,color="black")
plt.hlines(10,-70.5,-64.6,color="black")
plt.hlines(9.2,-70.5,-63.858,color="black")
plt.hlines(8.5,-70.5,-63.208,color="black")
plt.hlines(7,-70.5,-67,color="black")
plt.hlines(4,-49.4,-44,color="black")
plt.hlines(2,-49.4,-47.273,color="black")
plt.vlines(-49.4,2,4,color="black")
plt.vlines(-47.273,2,4,color="black")
```

```
plt.vlines(-42,-3.8,-2,color="black")
plt.hlines(17,-21.6,-20.333,color="black")
plt.hlines(18,-22,-20,color="black")
plt.hlines(15,-19.667,-19,color="black")
plt.hlines(12,-19.6,-18.333,color="black")
plt.hlines(12.5,-19.8,-18.167,color="black")
plt.hlines(9,-17.333,-17,color="black")
plt.vlines(-24,-43.433,-41.433,color="black")
plt.vlines(53.5,17.2,23,color="black")

plt.vlines(54,24.224,25.224,color="black")
plt.hlines(23,51.333,53.5,color="black")

plt.vlines(49,12.925,13.925,color="black")
plt.hlines(12.25,47.125,48.7,color="black")
plt.vlines(48.7,5.68,12.25,color="black")
plt.vlines(46,-0.8,7.746,color="black")
plt.hlines(-20,-13.5,25,color="black")
plt.vlines(25,-25,-20,color="black")
plt.hlines(-25,-13.75,25,color="black")
plt.hlines(-39,-14.45,0,color="black")
plt.hlines(12,-18,11,color="black")
plt.hlines(8,-17.6,11,color="black")
plt.vlines(11,8,12,color="black")
plt.hlines(73,-6.625,0.583,color="black")
plt.hlines(81.583,-6.042,0,color="black")
plt.vlines(-4,81.583,88,color="black")
plt.vlines(-2,81.583,88,color="black")
plt.hlines(88,-4,-2,color="black")
plt.vlines(-2.5,88,92,color="black")
plt.vlines(-2.5,88,92,color="black")
plt.vlines(-3.5,88,92,color="black")
plt.hlines(92,-3.5,-2.5,color="black")
plt.vlines(-3,92,98,color="black")
plt.hlines(15,-6.75,-1.25,color="black")
plt.hlines(1.6,-15.44,10.519,color="black")
plt.hlines(76,-7.448,1.583,color="black")
plt.hlines(-30,-14,26,color="black")
plt.hlines(-35,-12.313,0,color="black")
plt.hlines(3,-16,10,color="black")
plt.hlines(5,-16.8,9.259,color="black")
plt.hlines(71,-6.875,0.75,color="black")

plt.vlines(9,8,12,color="black")
plt.vlines(7,8,12,color="black")
plt.vlines(5,8,12,color="black")
plt.vlines(3,8,12,color="black")
plt.vlines(1,8,12,color="black")
plt.vlines(-1,8,12,color="black")
plt.vlines(-3,8,12,color="black")
plt.vlines(-5,8,12,color="black")
plt.vlines(-7,8,12,color="black")
plt.vlines(-9,8,12,color="black")
plt.vlines(-11,8,12,color="black")
```

```
plt.vlines(-13,8,12,color="black")
plt.vlines(-15,8,12,color="black")

plt.vlines(-17,8,12,color="black")
plt.hlines(-23,-13.65,25,color="black")

plt.vlines(-13,-39,-37,color="black")
plt.vlines(-9,-39,-35,color="black")
plt.vlines(-5,-39,-35,color="black")
plt.vlines(-1,-39,-35,color="black")
plt.vlines(3,-39.9,-35.9,color="black")
plt.vlines(7,-41.1,-37,color="black")
plt.vlines(11,-42.3,-38.3,color="black")
plt.vlines(15,-43.5,-39.5,color="black")
plt.hlines(-52,46.1,52.6,color="black")
plt.hlines(-61,46.55,53.05,color="black")




plt.xlim(-100,100)
plt.ylim(-100,110)
plt.show()
```