```
a=[[1,0,0],[0,1,0],[0,0,1]]
b=[[1,2,3],[4,5,6],[7,8,9]]
c=[]
for indrow in range(3):
      c.append([])
        for indcol in range(3):
               c[indrow].append(0)
               for indaux in range(3):
                       c[indrow][indcol] += a[indrow][indaux] * b[indcol][indaux]
print(c)
                   [[1, 4, 7], [2, 5, 8], [3, 6, 9]]
def perimeter (listing):
       leng=len(listing)
       perimeter=0;
       for i in range(0,leng-1):
               dist=(((listing[1][0]-listing[i+1][0])**2)+((listing[i][1]-listing[i+1][1])**2))**0.5
               perimeter=perimeter + dist
       perimeter = perimeter + (((listing[0][0]-listing[leng-1][0])**2) + ((listing[0][1]-listing[leng-1][1])**2))**0.5 + ((listing[0][1]-listing[leng-1][1])**0.5 + ((listing[0][1]-listing[leng-1][1])**0.5 + ((listing[0][1]-listing[leng-1][1])**0.5 + ((listing[0][1]-listing[leng-1][1])**0.5 + ((listing[0][1]-listing[leng-1][1])**0.5 + ((listing[0][1]-listing[leng-1][1]-listing[leng-1][1])**0.5 + ((listing[0][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-1][1]-listing[leng-
       return perimeter
L=[(1,3),(2,7),(3,9),(-1,8)]
print(perimeter(L))
   Г 14.783510444802673
```

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Date: 1 120 Activity 8 Pry Clindrow Mindcol) = c(indraw) [indcol] ta (indraw) (inday) XP (inganx) [inden) [[1,0,0], [0,1,0], [0,0,1]] indrow= o, indcol= o, indaux = o a[0](0) = e[0](0] + a[0](0] x6(0)(0] c(0)(0) = 0 D +(1)x(1) =1 indaux =1 c(0)[0] = c(0)[0] + a(0)[1)xt(1](0) 1+0x4 = 01 c[0](0) = c(0)(0) + a(0)[2] x b(2](0) = 1 + 0x7 = 1 indrow = 0, indeal = 1, indank = 0 c(0)(1) = c(0)(1) + a(0)(0) xb[0](1] = 0+1xx = 2 c(e)(1) = c(o)(1) + a(o)(1) x P(1)(1) 2 + 0x5 = 2 indaux = 2 c(0)(1) = c(0)(1)+ a(0)(2)x6(2)(+) 2 + 0 × 8 = 2

indrowso indcoled, indanxeo c(0)(5) = c(0)(5) + a(0)(0) \*P(0)(5) 0+1x3 =3 c(0)(2) = c(0)(2) + a(0)(1) x b(1)(1) 340x6 =3 Macux = 2 c(0)(2) = c(0)(2) + a(0)(2) x 6(2)(2) = 3+0x9 = 3 indeson = 1, indest = 0, indank= C(1](0) = [[1](0]+a[1][0]x1(0](0] 0 + 0 x 1 = indaux=1 c(1)(0) = c(1)(0) + a(1)(4) xr(1)(0) 0+1x4 =4 judaux=2 c(1](0] = c(1](0] + a(1](5] x P(5)(0] 4 + 0x7 = 4 e indrows 1, miles 1, 2 indanx 20 - c(1)(1) = c(1)(1)+a(1)(0) x 1(0)(1) = 0 + a(1)(0] x 1 (0)(1) = 0+ 0x2 =0 indrow=1, indcol=1 indanx=1 -c[17(1) = c(1)(1) + a(1)(1) × b(1)(1) = 0+1×5 = 5

indrowal indeal - 12 5 + 0 × 8 (mbrow = 1 , indcol = 2 , ind c(1)[2] = c(1)[2] + a(1)[6]x4 c(1)(2) = c(1)(2) + c(1)(1) xr(1)(1) 0+1x6 = 6 Indaux = 2 c(1)(2) = c(1)(2) + a(1)(2) x1(2)(3) 6+ Dx 9 = 6 indrow = 2 , indcol = 0 , indance c(5)(0) = c(5)(0) + a(5)(0) \* P(0)(0) 0 + 0 × 1 = 0 Indaux=1 c(s](o) = c(s](o) + a(s](1) xr(1)(o) 0 + 0 x 4 = 0 intanx=2 c[5](0) = c(5](0) +a(5)(5) x [[5](0] = 0 + 1 x7 = 1480w= ) , intcol = 1 , indank=0 c(5)(1) = c(5)(1)+a(5)(0) xr[0](0) 0+0×2=0

c(5)(1) = c(5)(1)+a(5)(1)x+(1)(1) 70x5= c(5)(1) = c[5)(1) + a(5)(5) × r(5)(1) 0+1x8=8 c(5)(5) = c(5)(5)+a(5)(0) X r(0)(5) c(2)(2) = c(2)(2) + a(2)(1) x P 61)(5) 0 + 0 x 6 = 0 c(5)(5) = c(5)(5)+ oi(5)(5) x P(5)(5)

