```python
import matplotlib.pyplot as plt
import math

n=int(input("Please eneter the the number of concentric circles: "))
side=int(input("enter the value of side of the square:"))

ax = plt.gca()

for i in range(1,n+1):
    circle = plt.Circle((0,0), radius = i,fill = False)
    ax.add_patch(circle)

square=plt.Rectangle((0,0), width = side, height = side, edgecolor =
"black", fill = "blue")

ax.set_aspect(1)
ax.add_patch(square)
plt.axis("scaled")
plt.axis("off")
plt.show()
```
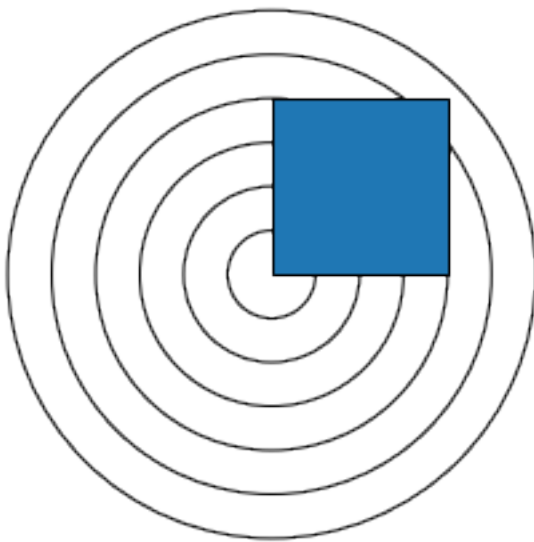
Please eneter the the number of concentric circles: 6
enter the value of side of the square:4


```python
commonArea=[]
annularRingArea=[]

squareArea=side*side

for i in range(side):
    commonArea.append((math.pi*((i+1)*(i+1) - i*i))/4)
```

```python
commonArea.append((squareArea)-(math.pi*side*side)/4)

for j in range(side+1):
    annularRingArea.append(math.pi*((j+1)*(j+1) - j*j))


p=0
for k in range(side+1):
    p = p + (annularRingArea[k])*(commonArea[k])/(annularRingArea[k])

p=p/(math.pi*n*n)

print("Probability=",p)

Probability= 0.1414710605261292
```