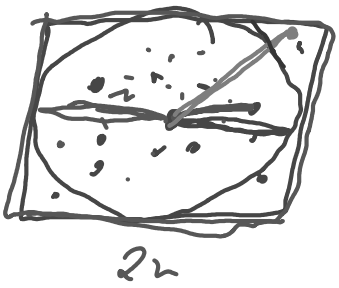
c = il. pkt. w ○

n = il. pkt w □

$\pi = 3{,}1415$

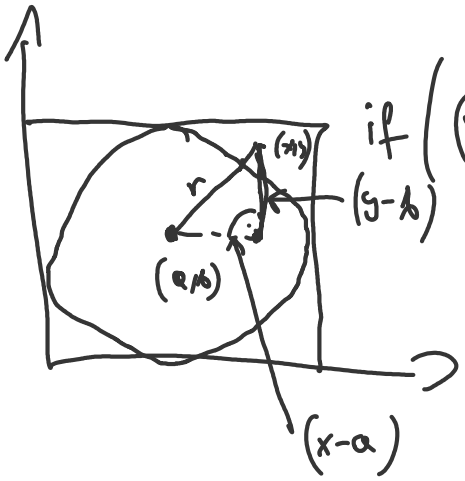
$$\frac{P_\circ}{P_\square} = \frac{\pi r^2}{(2r)^2} = \frac{\pi r^2}{4r^2} = \frac{\pi}{4}$$



$$\frac{\text{il p w Kole}}{\text{il p w kwadr (w □)}} = \frac{\pi}{4}$$

$$\frac{\pi}{4} = \frac{c}{n} \quad /\cdot 4$$

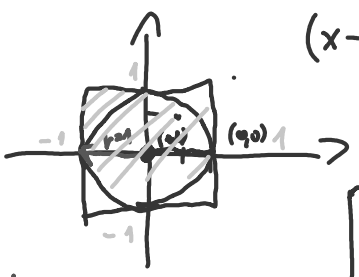
$$\pi = 4 \cdot \frac{c}{n}$$



if $\left((x-a)^2+(y-b)^2 \gtrless r^2\right)$

$=$

$<$



$(x-0)^2+(y-0)^2 \lesseqgtr r^2$

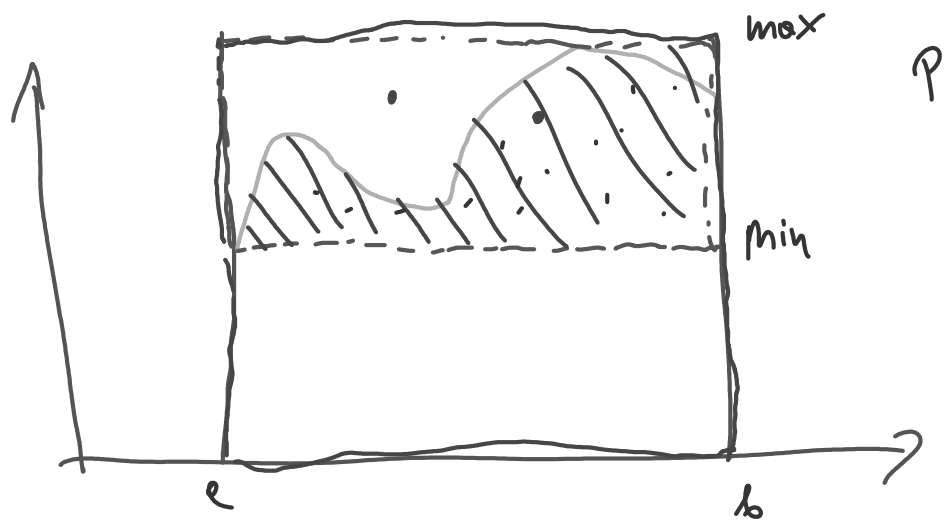
if $x^2+y^2 \leq 1$:
c+=1

Random r = neu Rand.

r. randint(-1, 1)

. uniform(-1,1)

```
c = 0
n = int(input())
for i in range(n):
    x = r.uniform(-1,1)
    y = r.uniform(-1,1)
    if x**2+y**2 <= 1:
        c = c+1
print 4*c/n
```



$P = (b-a) \cdot \min + \frac{c}{u} \cdot (\max - \min)(b-a)$

c – koszt produkcji

$\frac{c}{n} = \frac{p_{pr}}{p_{[\ldots]}}$

Klucz
Key

Wartości
Value

. put
. op
. eng

$1 \Rightarrow [2, 3, 4]$

$2 \Rightarrow [4, 6, 8, 10]$

$3 \Rightarrow [2, 3, 5, 7, 11, 13]$

$7 \Rightarrow [7, 14, 21, 28]$

Dictionary d = new Dict<int, stack>

<String, List<int>>

<double ; int[3]>

1, 7, ...

<int , List<int>>

gmf

$S_a \geq S_G$

$a = 6$

$b = 4$

$\frac{6+4}{2} \geq \sqrt{6 \cdot 4}$