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#####
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#####
readlib('gdi')
readlib('gdi');d := gdi.open(300, 300)
gdi.thickness(d , 5)
gdi.line(d, 0, 300, 300,300)
gdi.line(d, 300, 0, 300, 300)
gdi.arc(d , 0 , 0 , 300, 300 , 0 , -90 )
hits:=0
for external i to 1000 do
local ix , iy , x , y
  ix:=math.random()
  iy:=math.random()
  x:=ix*300
  y:=iy*300

  if (ix*ix + iy*iy) <=1 then
hits:=hits+1
gdi.point(d, x, y , 5)
else
gdi.point(d, x, y , 1)
fi
od

estpie:= (4*hits)/1000

print(estpie);
```