

Monte Carlo/ Traveling Salesman

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Monte Carlo

hits = 0

run = 10000

for (int i = 0; i < run; i++) {

newes x

newes y

if ($\text{sqrt}(x^2 + y^2) \leq 1$)

hits++

}

print 4. $\frac{\text{hits}}{\text{run}}$

Travelling Salesman

nodes = 10

startnode = 1

distance [] []

Salesman (actnode) {

if nodes == 1

return distance [startnode] [actnode]

else

dist = ∞

for (0 to distance.length)

if distance [i] < dist

node = i

dist = distance [i]

nodes--

return dist + salesman [i]

}