This program allowed us to find the partial sum of radii up to every generation until the nth generation:

function output=GetCurvatures(a,b,c,d,n)

output=[];

list=GetCurvatures(a,b,c,d,n)';

newList=[];

for x=2:numel(list)

newList=[newList;list(x)];

end

RadList=[];

RadList=newList.^(-1);

c=1;

v=[];

totalsum=0;

while (c <= n)

s=0;

if (c==1)

for j = 1:3

s = s + RadList(j);

end

c = c+1;

elseif (c > 1)

for k=2\*3^(c-2)+2:2\*3^(c-1)+1

s = s + RadList(k);

end

c=c+1;

end

totalsum = totalsum + s;

v = [v; totalsum];

end

output=v;