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;