R(2000/1000) = ∞ R(4000/2000) = 5.00 R(8000/4000) = 5.40 R(16000/8000) = 3.74

Average Ratio ~ 6.22

Order Of Growth = O(n^2.58)

Thw doubling hypothesis suggests a slighlty higher order of growth compared to the O(n^2) from the analysis.