The result from Newton-Raphson is **0.338812 0.303337 0.271936 0.250984 0.241093 0.232451 0.228172**

The iterations are **5,3,3,4,1,4,3**

The result from secant method is **0.338812 0.303337 0.271936 0.250984 0.241093 0.232451 0.228172**

The iterations are **11,11,9,7,5,6,8**

We can see that they are exactly the same. And the Newton-Raphson method convergent faster. I choose the bounds that are big enough and reasonable enough to contain the true value.