

# Problem Set 7 Latex Report

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## 1 Problem 1

Brent's method was implemented by combining golden section search and parabolic methods. The Scipy library was more accurate than our implementation.

## 2 Problem 2

After inverting the sum of the logarithms of the logistic function, we got the likelihood function, which we then maximized by minimizing the negative of it. We then found the appropriate values for the two betas and constructed our model

