<Problem.docx>

Determine a power function of the form  to approximate a collection of data as shown below.

[](Problem.docx)

Apply the Maple technology to determine the power function as shown below.

**> **

**> **



**> **



**> **



Thus, the required power function is given by



Compute the **Total Error** associated with this approximation.

The total error is given by 

I request you to suggest an appropriate Maple procedure to compute this total error or a loop to generate .

With best regards.

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