

Section2

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1 q1

If fabs is omitted there may arise a situation where total is negative and therefore if $1.0e^{-13}$ is added to it would have the opposite effect on the inequality therefore not making the desired outcome. Essentially, if term and total are negative, the wrong stopping condition is applied resulting in undesired results. (See Figure 1)

2 q2

Figure 1: Incorrect stopping condition:

