Problem 7: Albu Maria-Ioana group 911

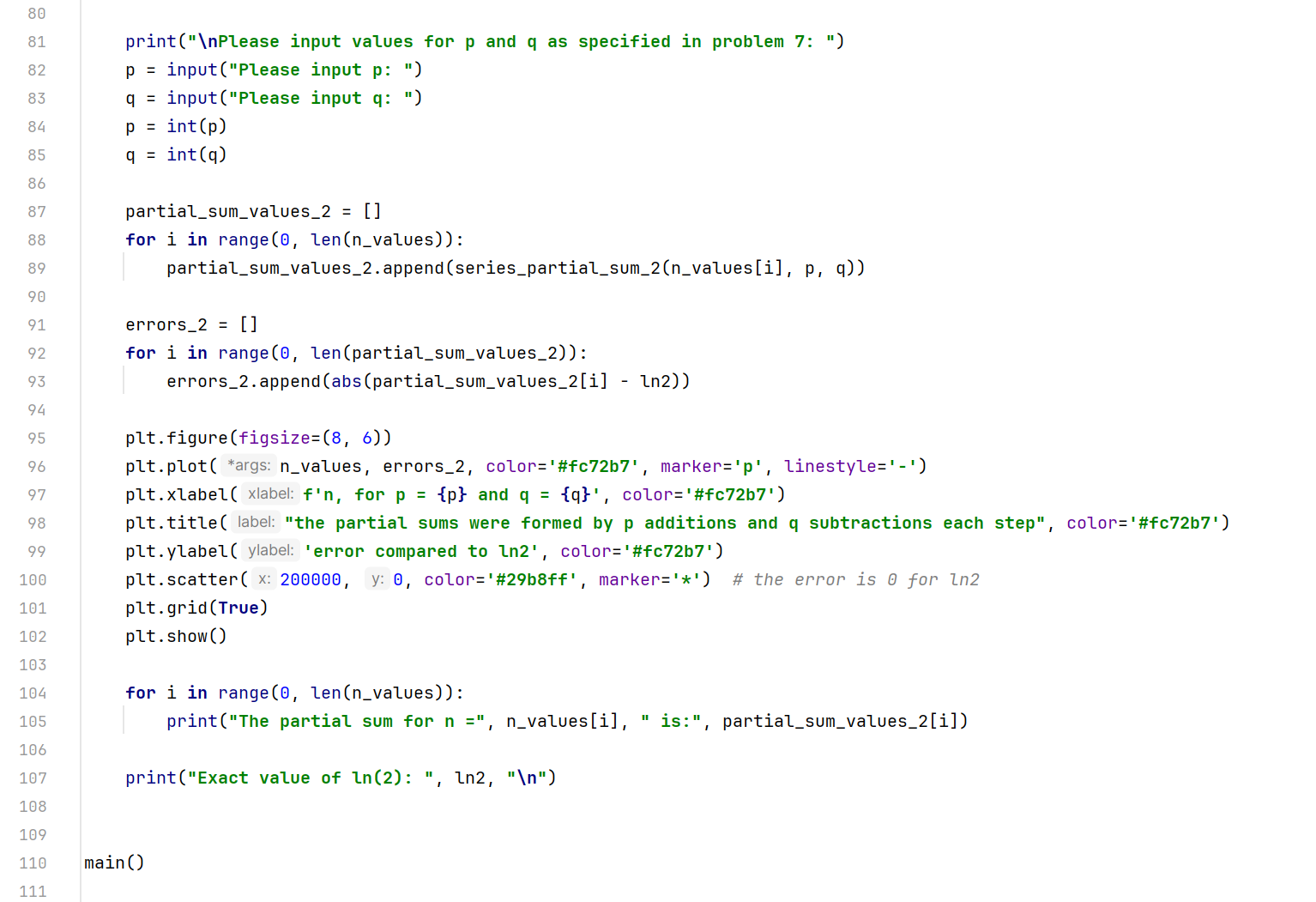
A math equation with black text

Description automatically generated with medium confidence

A white background with black dots

Description automatically generatedA screenshot of a computer program

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A screenshot of a computer code

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*And here is the output:*

A screenshot of a computer

Description automatically generatedA graph with a line

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A graph with a line

Description automatically generated

Basically, we can observe that by adding terms using p additions and q subtractions at a time, the value is not as close to ln (2) as it is when adding terms as they are. The error in the second graph is also much larger than the one in the first graph.