Computing the Total

Write a program that sums all of the numbers in a file. Each line in the file may contain a single number, multiple numbers separated by commas, or no numbers at all. All of the values in the file will be numbers – you don't need to worry about non-numeric values appearing on any of the lines.

The name of the file containing the numbers will be provided as a command line argument. Your program should display an appropriate error message and quit if either no command line argument is provided or too many command line arguments are provided. The file specified by the user will always exist so you don't need to do any error checking.

Sample File:

1,2,3
4

5,6

7,8,9,10

Expected output: 55.0

A total of 0.0 should be reported for an empty file. Ensure that every file that you open gets closed.

Use the following lines shown on the next page to create your program. Some lines may not be required for a correct solution. Lines may be used multiple times.

```
1: close(inf)
2: for s in nums:
3: for s in range(nums)
4: if len(sys.argv) == 0 or len(sys.argv) >= 2:
5: if len(sys.argv) == 1 or len(sys.argv) >= 3:
6: if line != "":
7: if line != "\n":
8: import sys
9: inf = open(sys.argv[0], "r")
12: inf = open(sys.argv[1], "r")
13: inf.close()
14: line = inf.read()
15: line = inf.readline()
16: num = float(nums)
17: num = float(s)
18: nums = line.split(",")
19: nums = split(line)
23: nums = split(line, ",")
24: print("The program must be started with one command line argument.")
25: print("The total is", total)
26: quit()
27: total = 0
28: total = total + num
29: total = total + s
34: while line != "":
35: while line != "\n":
```