

Here is some sample output on a few of the sample input files. Note that your program should use

- standard input: do not read from a file
- standard output: do not write to a file

inSmall.txt

graph number: 1
Shortest path: 1
Longest path: 4
Number of paths: 8

graph number: 2
Shortest path: 4
Longest path: 8
Number of paths: 16

inMed.txt

graph number: 1
Shortest path: 1
Longest path: 4
Number of paths: 8

graph number: 2
Shortest path: 4
Longest path: 8
Number of paths: 16

graph number: 3
Shortest path: 15
Longest path: 30
Number of paths: 32768

graph number: 4
Shortest path: 1
Longest path: 12
Number of paths: 2048

graph number: 5
Shortest path: 19

Longest path: 19
Number of paths: 1

inBig.txt

graph number: 1
Shortest path: 1
Longest path: 29
Number of paths: 268435456

graph number: 2
Shortest path: 30
Longest path: 60
Number of paths: 1073741824

inPath10k.txt

graph number: 1
Shortest path: 9999
Longest path: 9999
Number of paths: 1

inPath100k.txt

graph number: 1
Exception in thread "main" java.lang.OutOfMemoryError: Java heap space
at countPaths.main(countPaths.java:28)

[note: your luck may vary]

inZero.txt

[no output]
