Thursday, January 24, 2019

Coverage Review - assigment3

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- hasFourCongruentSides()
  - This code has zero coverage, at present. The reason for this code being maintained within the program is so it can scale to future projects. In the event that the programmer wants to add the ability to further classify quadrilaterals into scalene or isosceles trapezoids, they will need to utilize this routine to examine the input using the same logic.
- Difference between .txt input and command line entered number arguments:
  - The program handles both cases differently. In doing so, the coverage has different results based on the argument type. While testing, it was found that entering a single quadrilateral as the command-line argument didn't illustrate the coverage all of the program would conduct. Because the program revolves around finite states, certain inputs will not trigger certain routines to be conducted. Thus, the input .txt was entered to maximize the coverage and determine a more accurate snapshot of the program. It was recognized that this would not allow for the other route of the program, the single, command-line argument to be covered and therefor would be tested separately in a case by case scenario. The reason the other coverage files are not included is that it would convolute the file - there are 7 of them and whoever read them would need to follow the trail of their execution through the different finite states to ensure they reached each line.