

Vietnamese Puzzle

Summary

The goal is to solve the Vietnamese puzzle at the end of this document in code using Python and multiprocessing.

Requirements

- Make it a script → This means it should be runnable from the command line
- Find the answers using mathematical order of operations
- Find the answers ignoring mathematical order of operations
 - This means start at the upper-left most square and perform each math operation as you encounter them.
- Write out all answers to a text file
- The written output file needs to be a command line argument
- Use a divide and conquer multiprocessing strategy to discover the values to try. Also use multiprocessing to find the math answers.
- Comments and doc strings
- Must be in a git repository

Tips

Solve the problem without multiprocessing. Then figure out a way to split up the problem so it can be solved using multiprocessing.

You may come across itertools. Feel free to use it; particularly when you are first starting. Though, it will not help you with the multiprocessing part (I would not use it at all when multiprocessing).

			-			66
+		×		-		=
13		12		11		10
×		+		+		-
÷		+		×		÷

You need to fill in the gaps with the digits from 1 to 9 so that the equation makes sense