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CST-227-O500

Activity 3: Knight’s Tour

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Here is a screenshot of the completed “Knight’s Tour” activity. In the regular assignment, the program was attempting to “brute force” the task and racked up hundreds of thousands of recursive calls to the “solveKTUtil” function. Using the Warnsdorff’s heuristic, however, that process gets cut down to a linear algorithm.

A screenshot of a cell phone

Description automatically generated

*Logs from attempting to calculate the “Knight’s Tour” with a brute force method.*

A picture containing clock

Description automatically generated

*Resulting move-set on an 8x8 grid after calculating the “Knight’s Tour” using Warnsdorff’s method.*