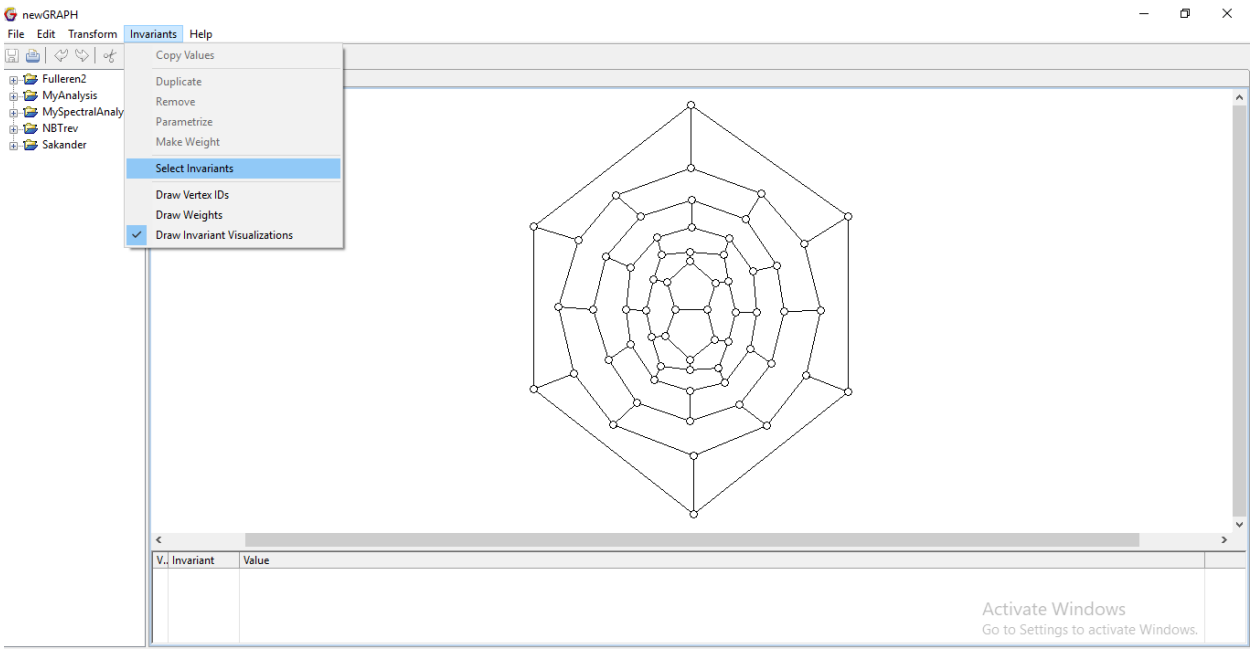
Workflow of our proposed method with a Minimal Working Example (MWE)

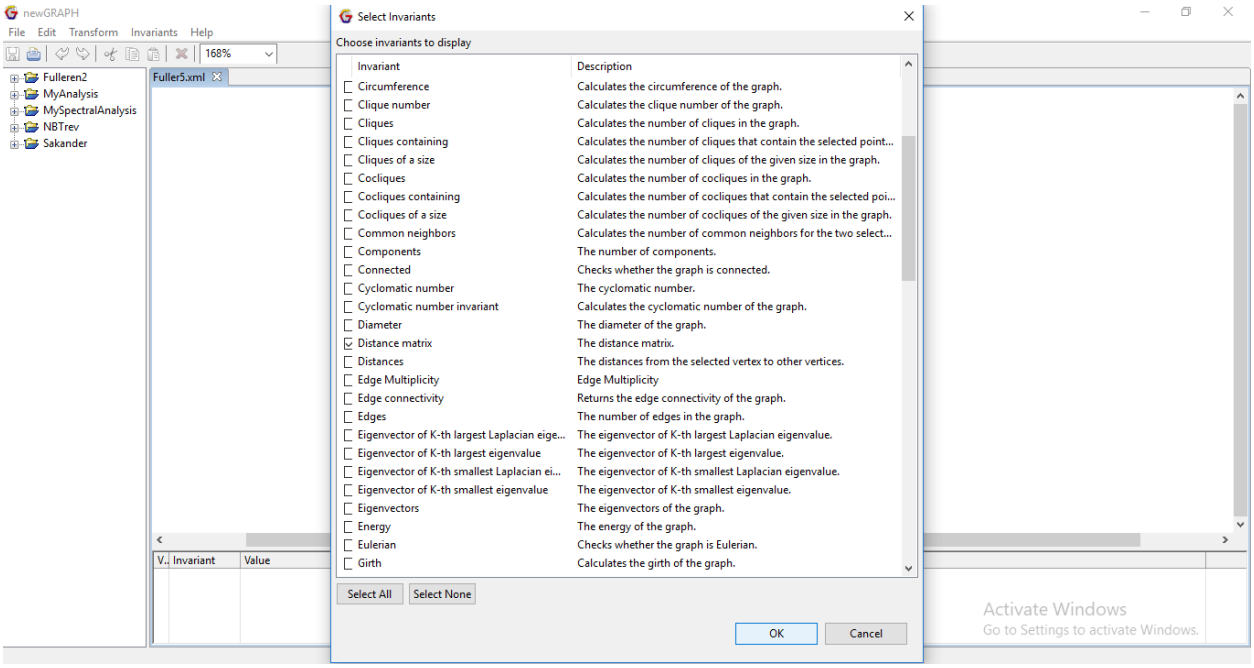
In this document, we will explain the working pattern of our technique to compute certain distance-based topological indices of graphs.

1. Let *G* be a graph for which you want to compute a distance-based topological index from the following list of indices:
   i. Szeged index
   ii. Revised Szeged index
   iii. PI index
   iv. Wiener index
   v. Second ABC index
   vi. Second GA index
   vii. Eccentric connectivity index
   viii. Total eccentricity index
   ix. Fifth ABC index
   x. Fourth GA index
   xi. Degree distance index
   xii. Gutman index
   xiii. Molecular topological index
   xiv. Additively weighted Harary index
   xv. Multiplicatively weighted Harary index

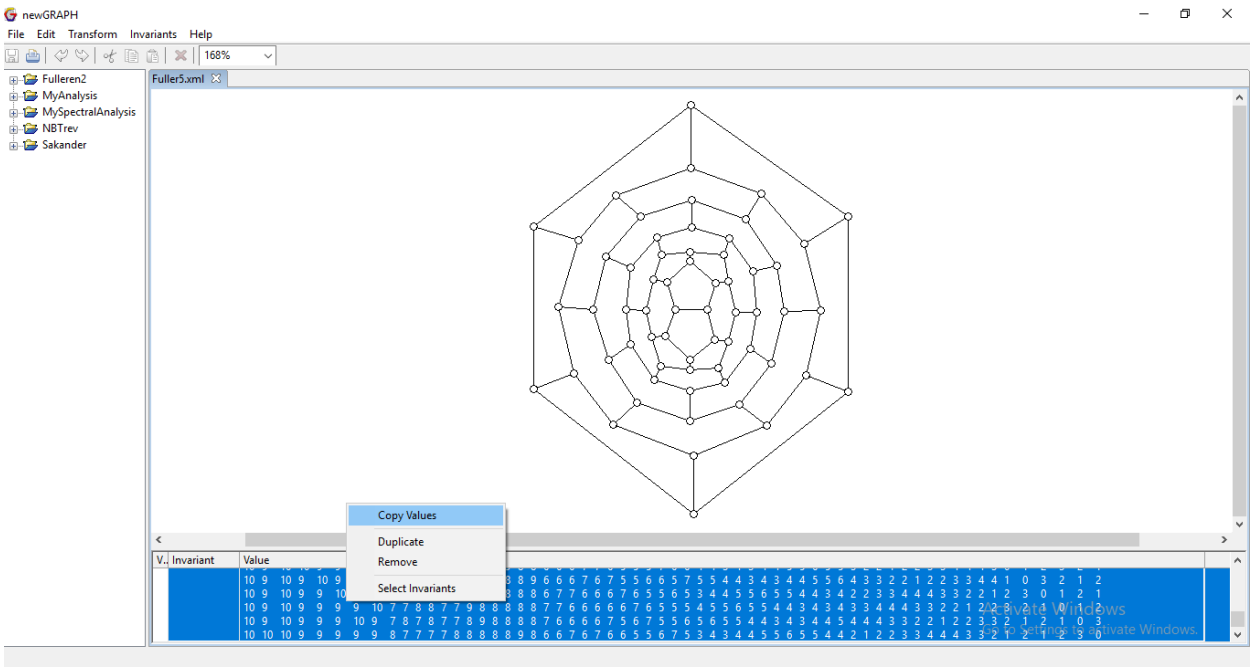
   We would like to set the a fullerene graph say *G=F[5]* as our MWE.

2. In first step, we draw graph *G* on newGraph and choose “Distance matrix” as a “Select Invariants” under the “Invariants” tab as follows:

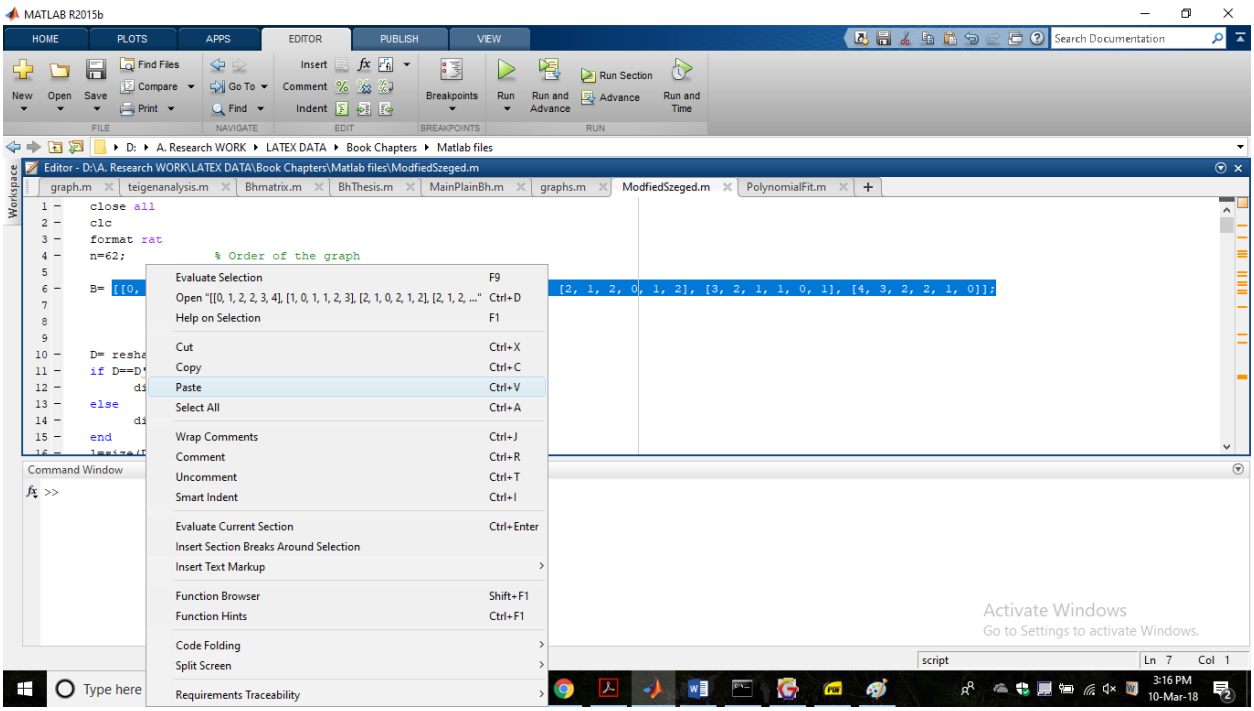




3. By right clicking on the matrix values, select “Copy Values” as follows:



4. Paste the copied matrix values from newGraph to Matlab in szeged.m file. Change the value of *n* which 62 in our MWE.



5. Click “run” to obtain the result as follows: