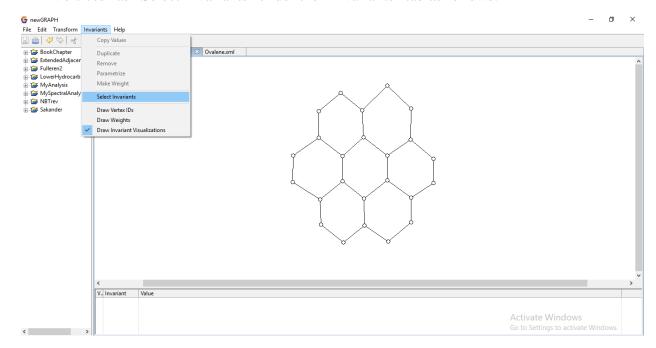
## Workflow of our proposed method with a Minimal Working Example (MWE)

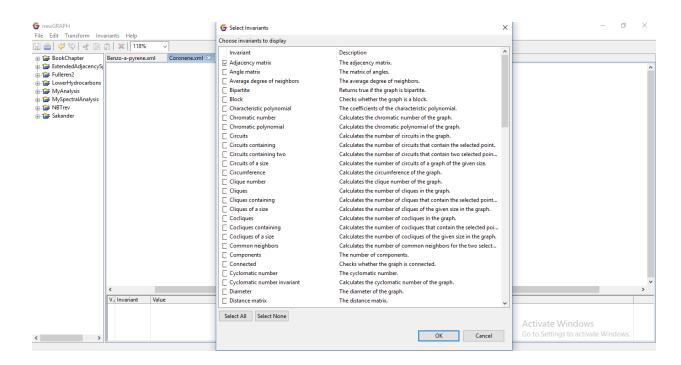
In this document, we will explain the working pattern of our technique to compute certain spectrum-based topological descriptors of graphs.

- 1. Let *G* be a graph for which you want to compute a spectrum-based topological index from the following list of indices:
  - i. Energy
  - ii. Estrada index
  - iii. Positive inertia index
  - iv. Negative inertia index
  - v. Nullity
  - vi. Signature

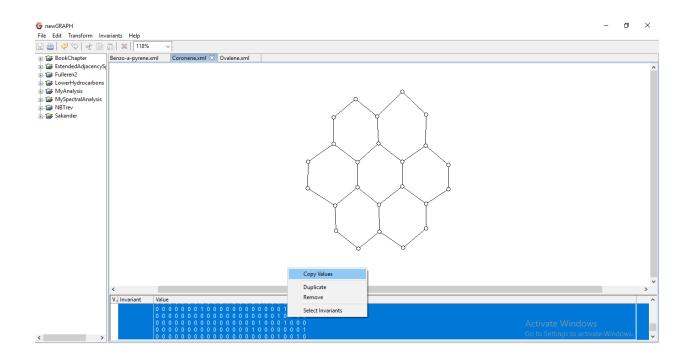
We would like to set the coronene graph as our MWE.

2. In first step, we draw graph *G* on newGraph and choose "Adjacency matrix" and "Vertices" as "Select Invariants" under the "Invariants" tab as follows:

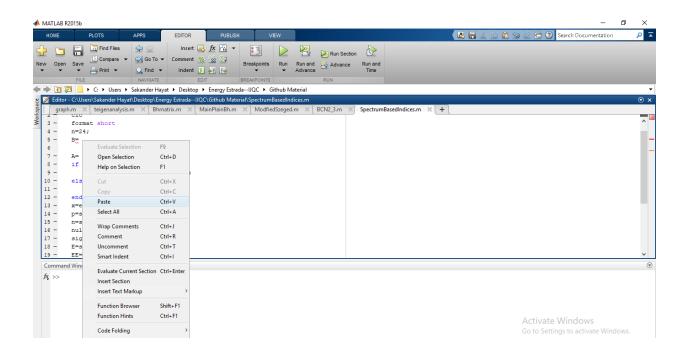




3. By right clicking on the matrix values, select "Copy Values" as follows:



4. Paste the copied matrix values from newGraph to Matlab in SpectrumIndices.m file. Change the value of *n* which 24 in our MWE.



5. Click "run" to obtain the result as follows:

