Example demonstrating how to run the APCluster plugin on the original data provided by the authors of AP, includes an example of storing the clustering results in text file

Go to the Affinity Propagation homepage

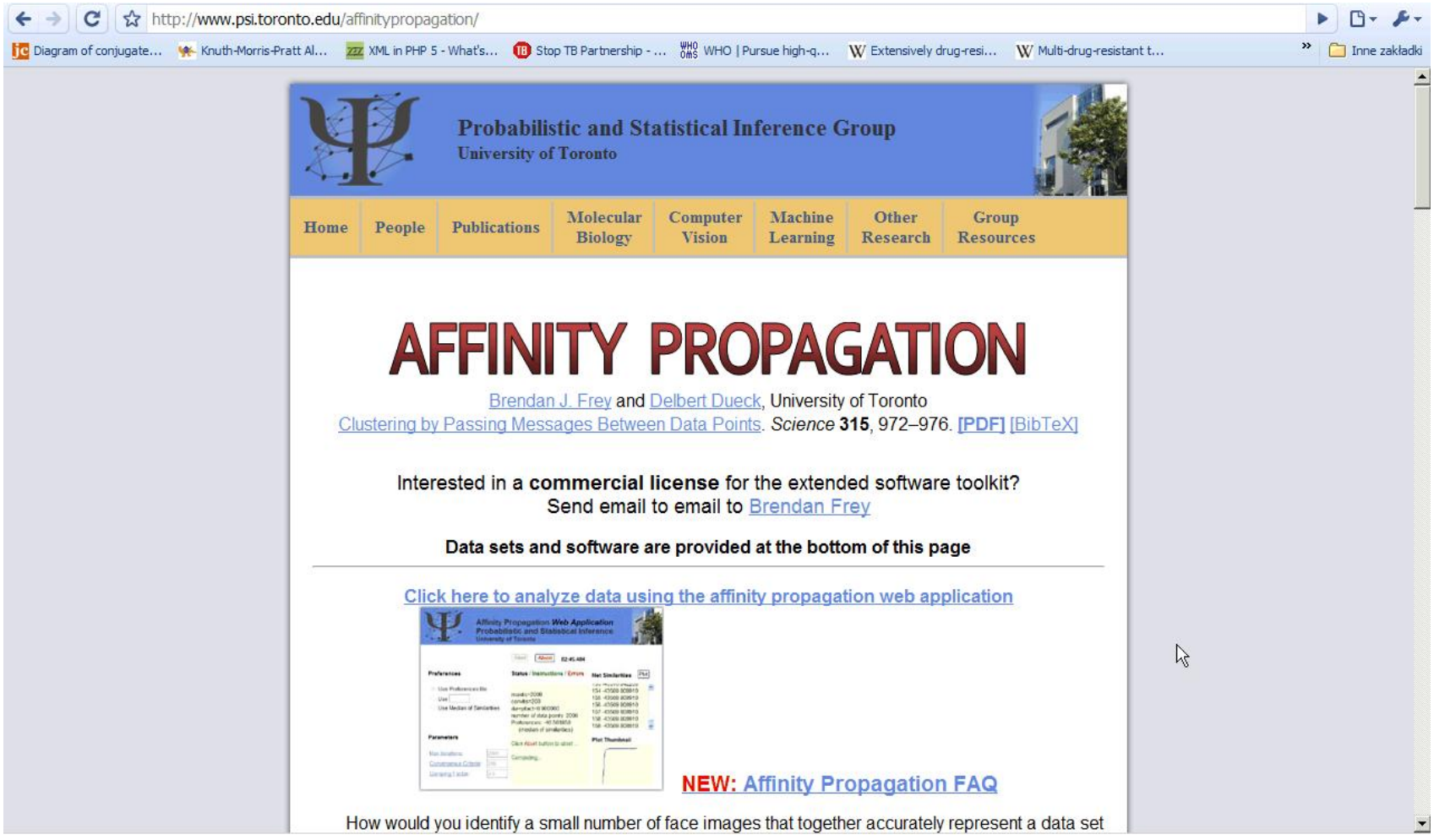
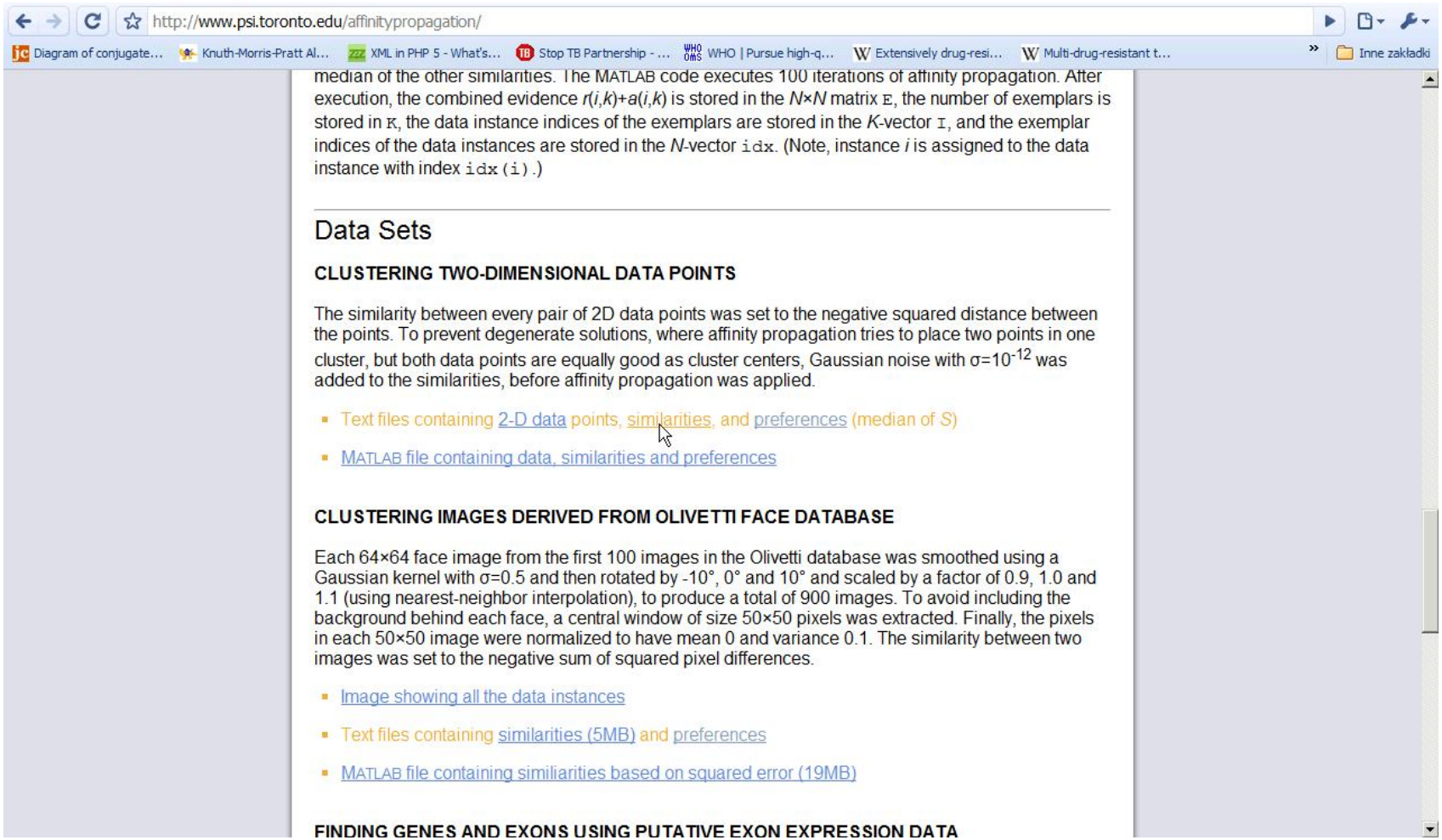
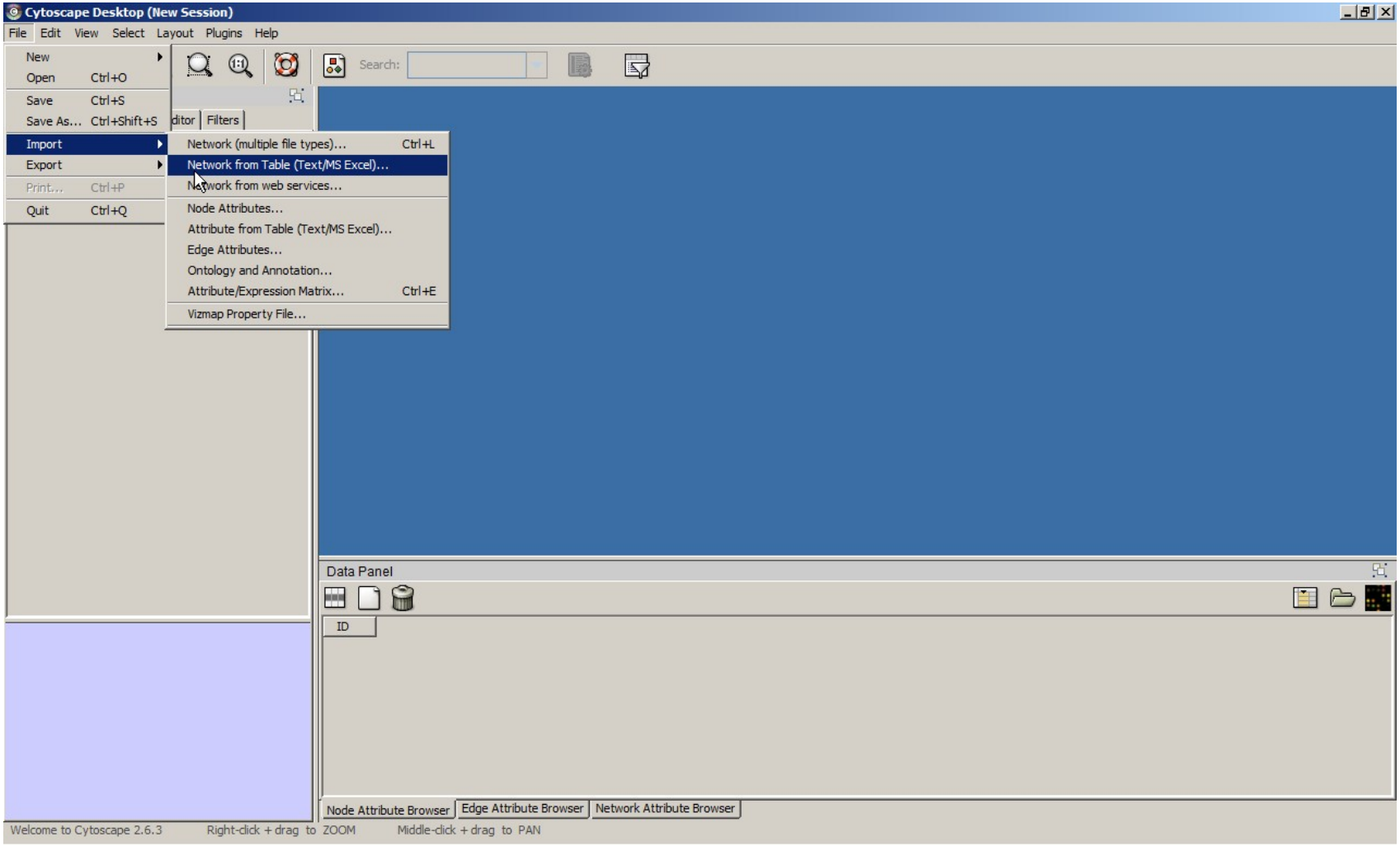


Figure: http://www.psi.toronto.edu/affinitypropagation/

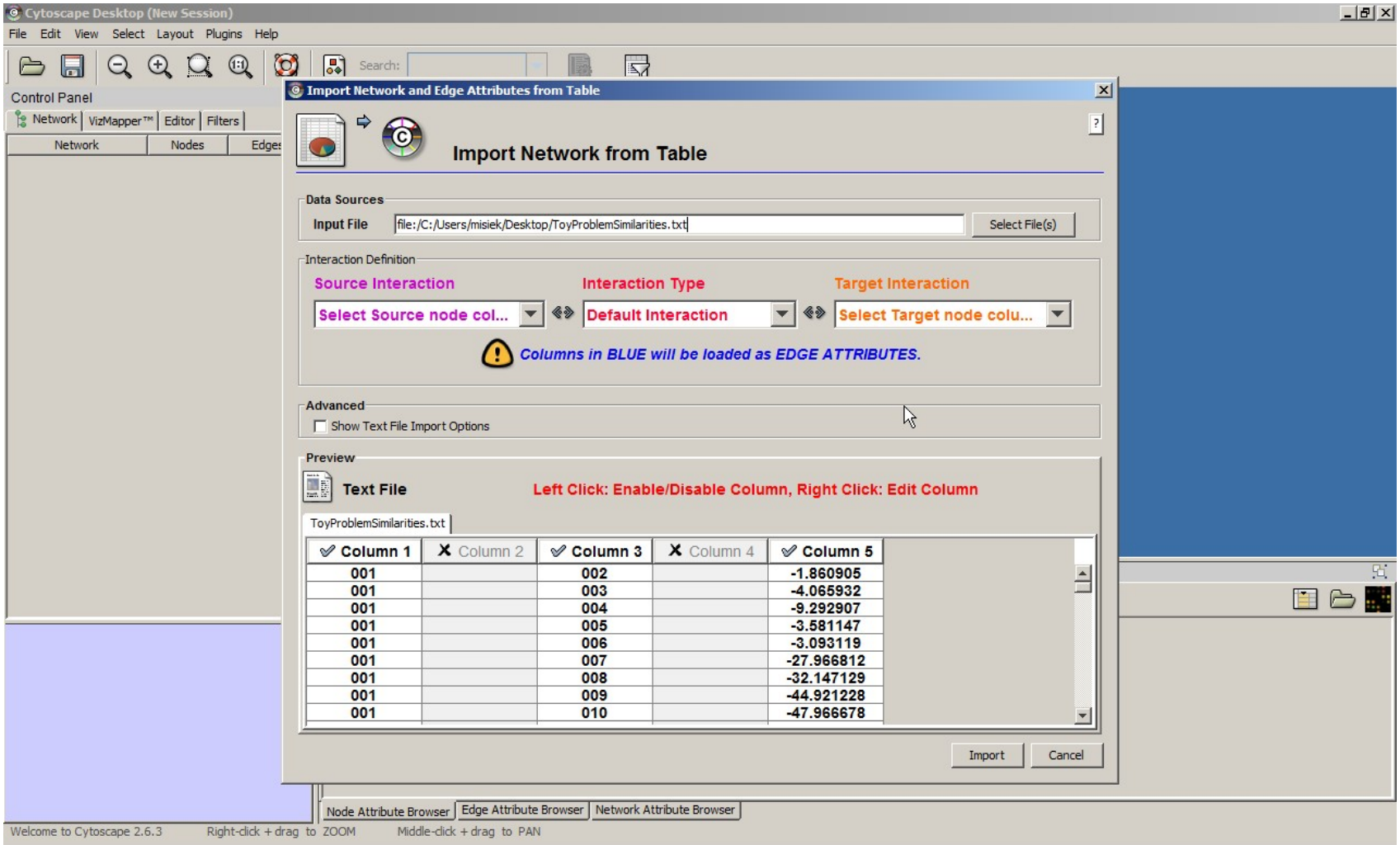
Find the section with Data Sets and download the similarities, for example "clustering two-dimensional data points"



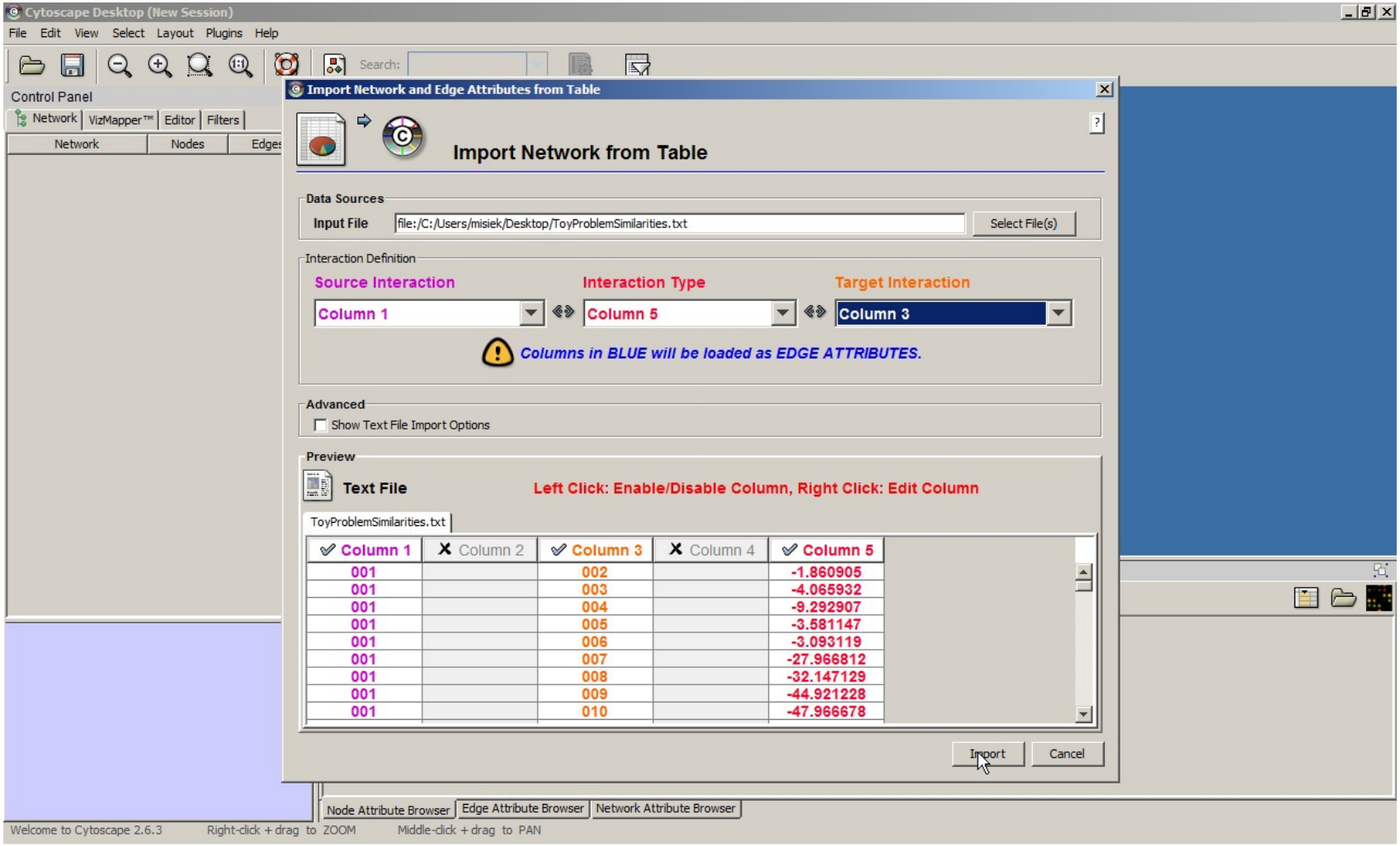
Run Cytoscape with the "APCluster" in the plugins directory and open the interface for importing a network



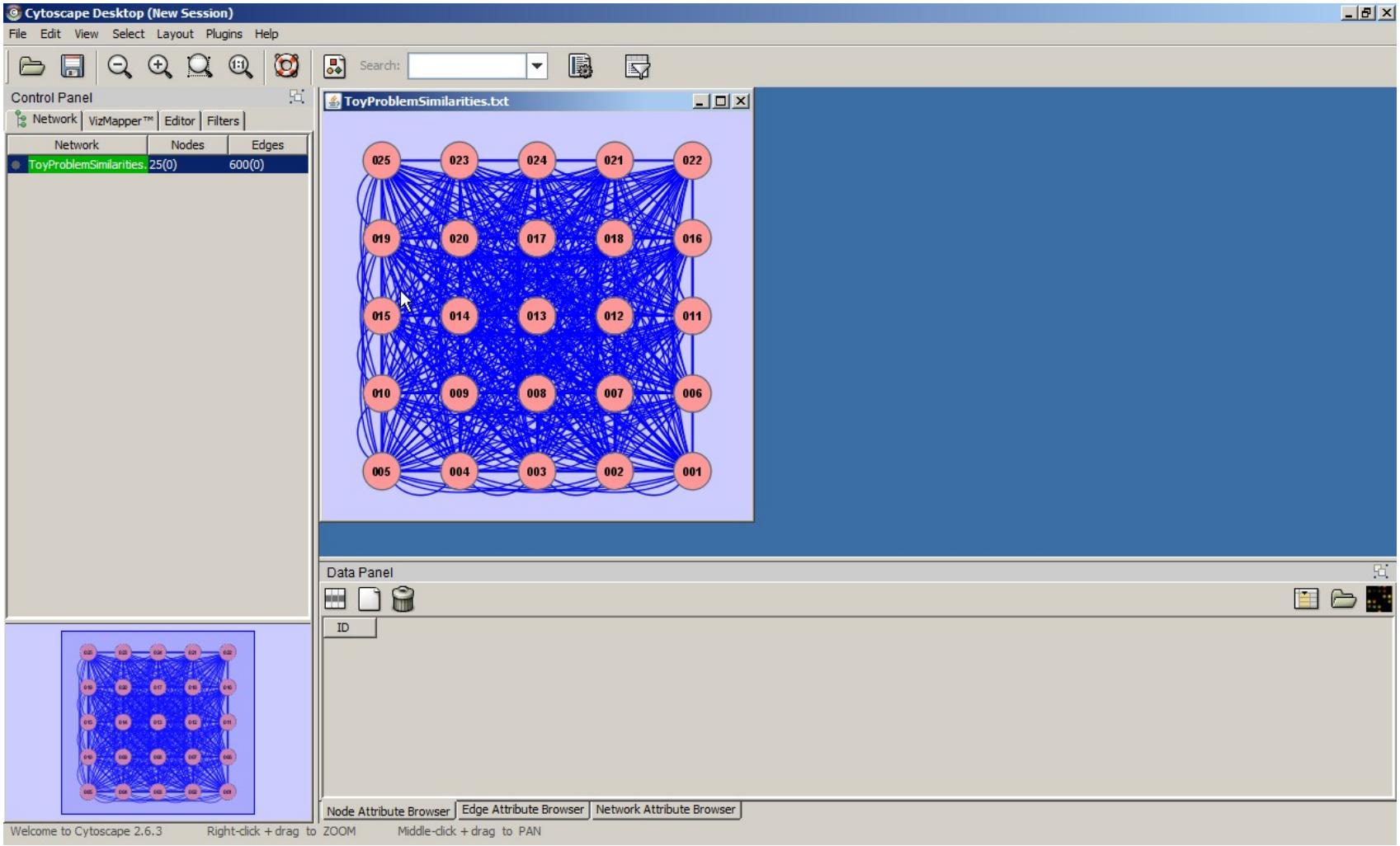
Choose the "ToyProblemSimilarities.txt" network



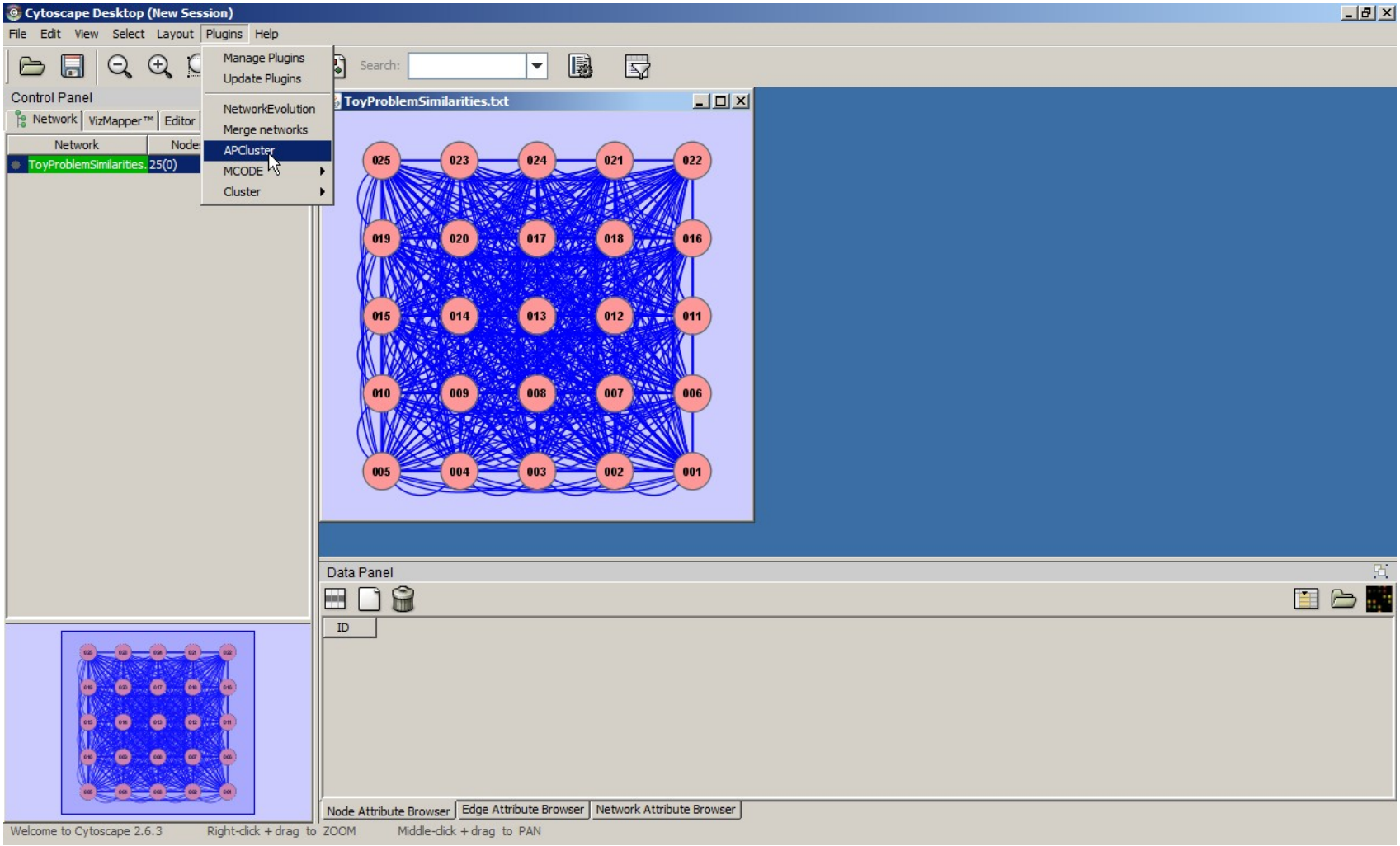
Select appropriate columns as in the picture below and import data



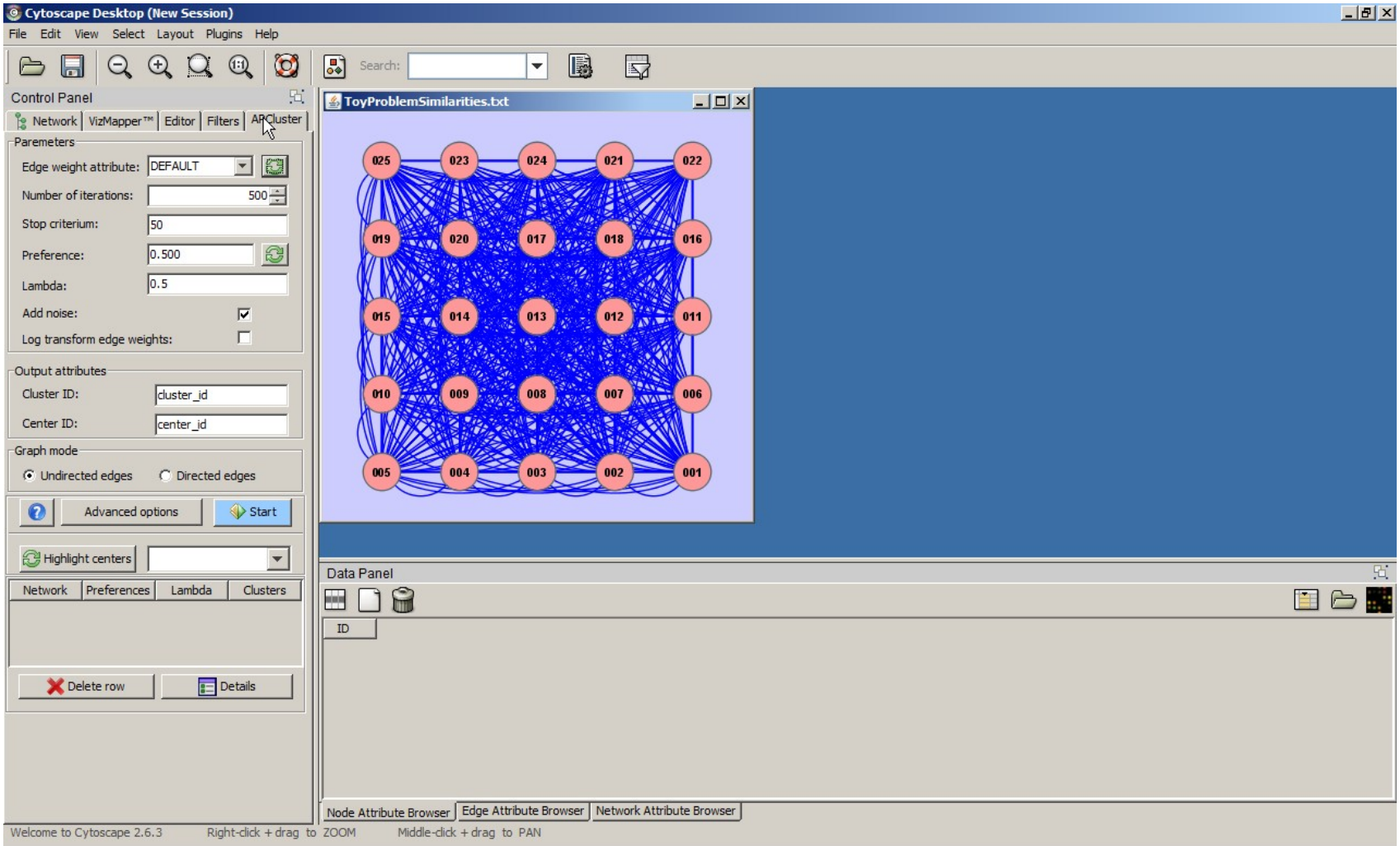
The network that you should obtain



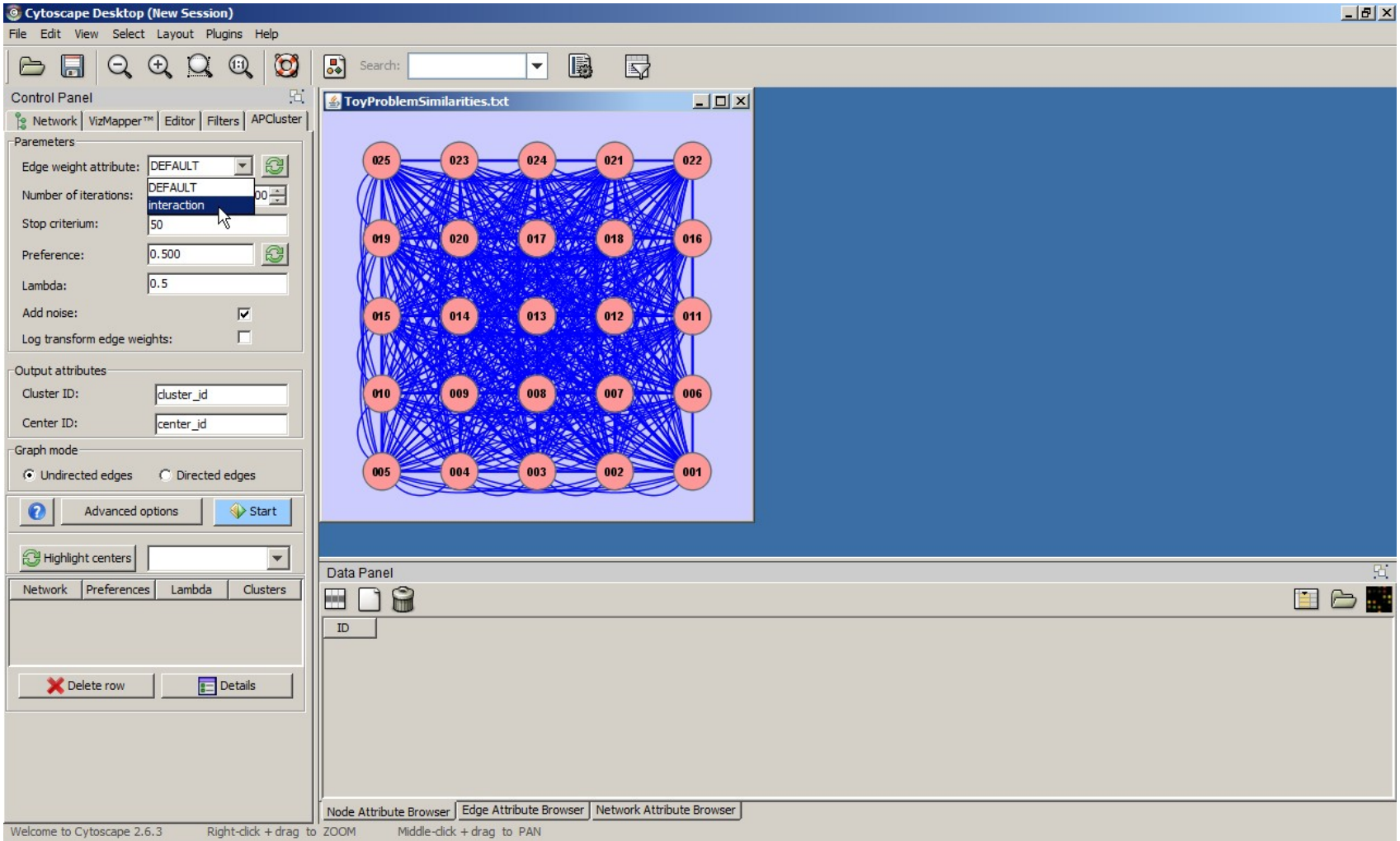
Activate the "APCluster" plugin from the "plugins" menu



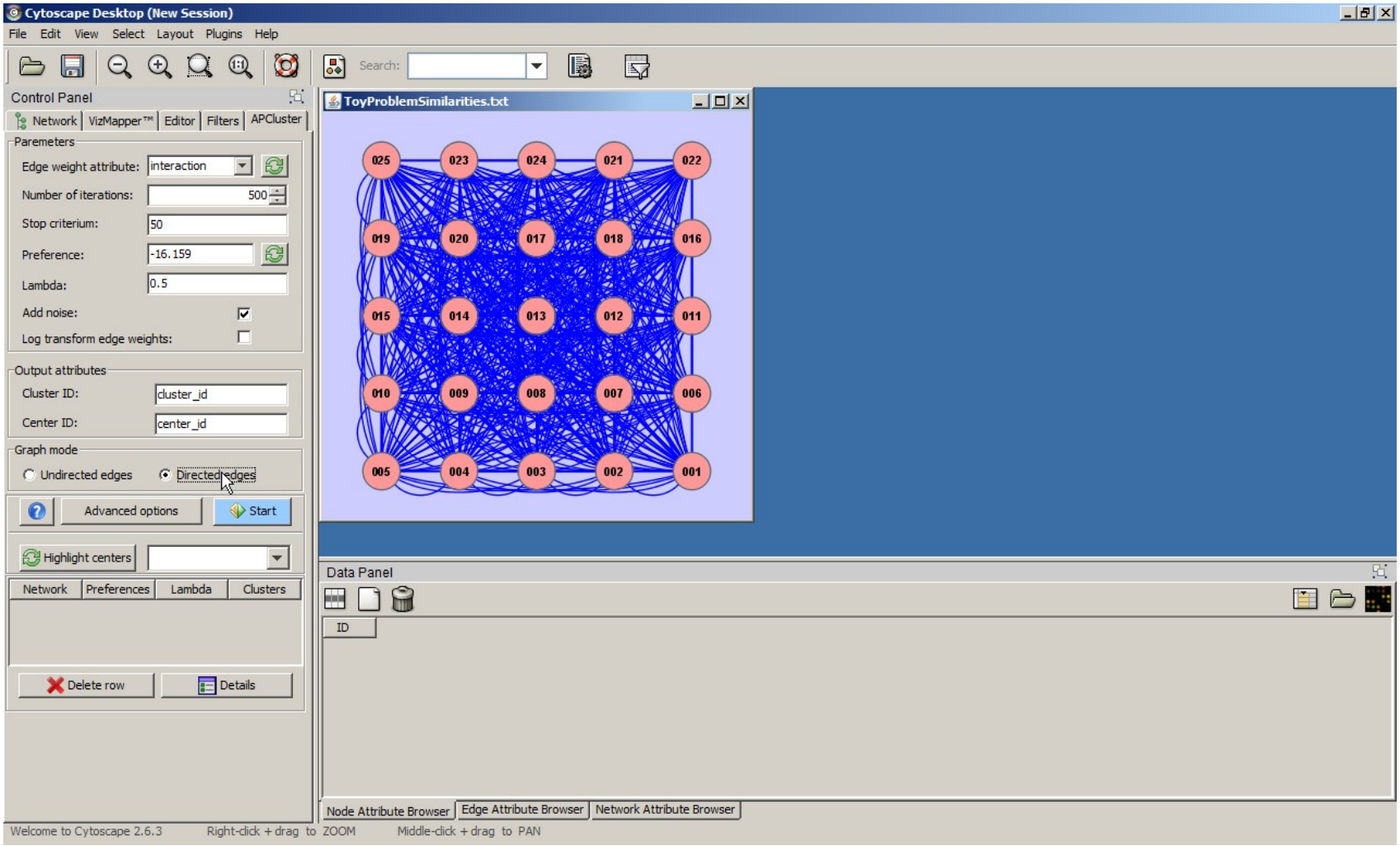
Go to the "APCluster" plugin tab



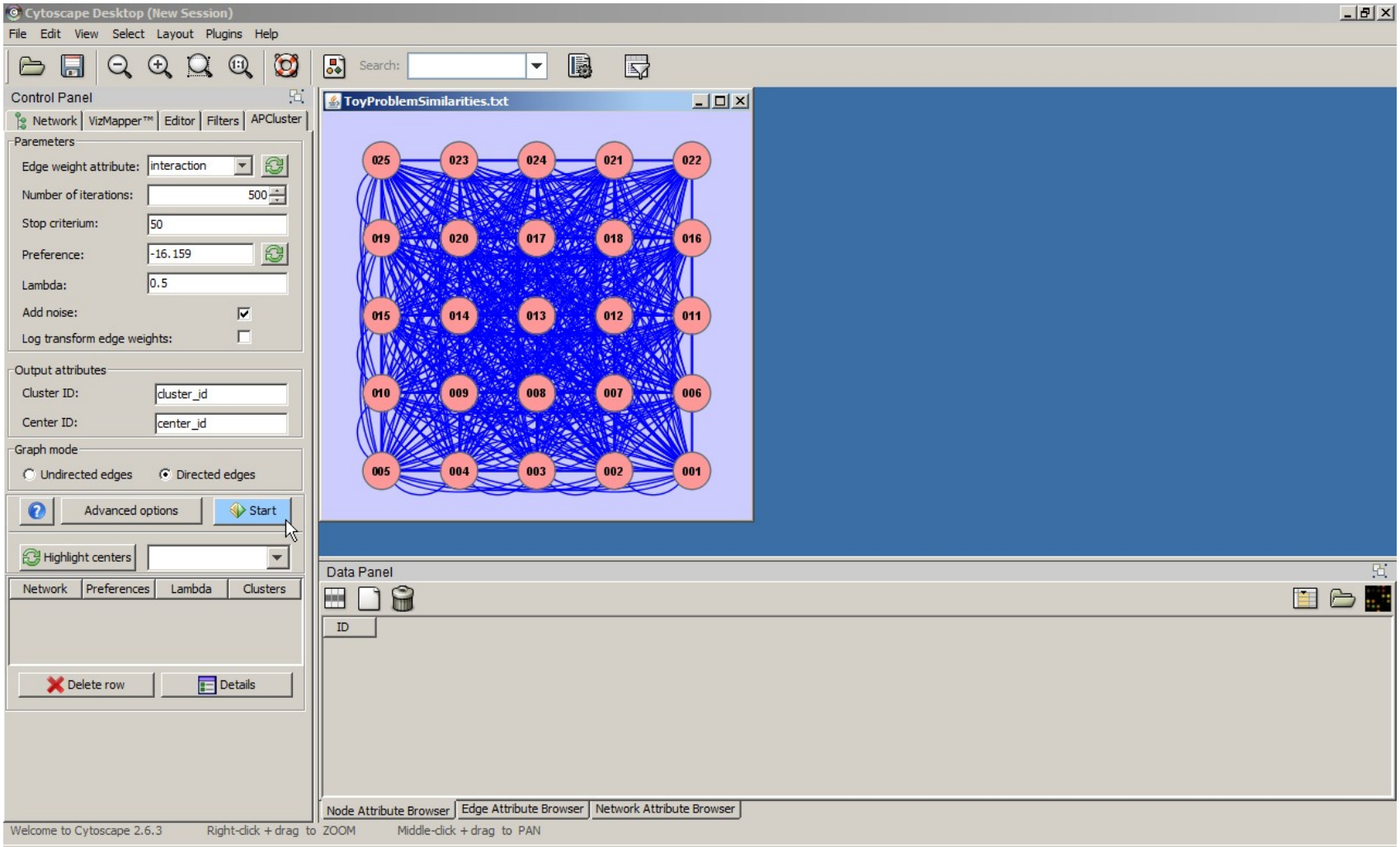
Reload the list of appropriate attributes, and select "interaction"



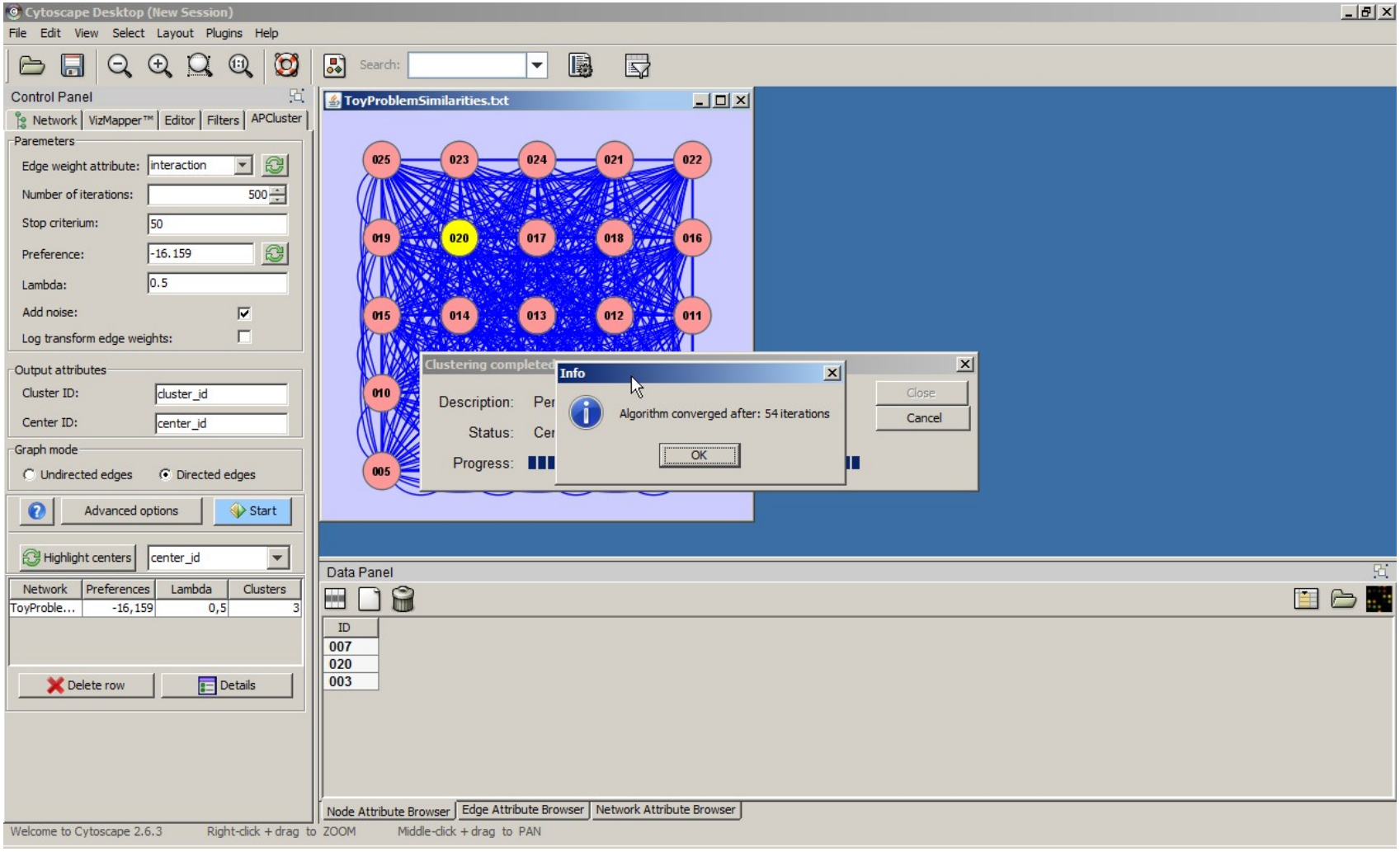
Choose the "Directed edges" option



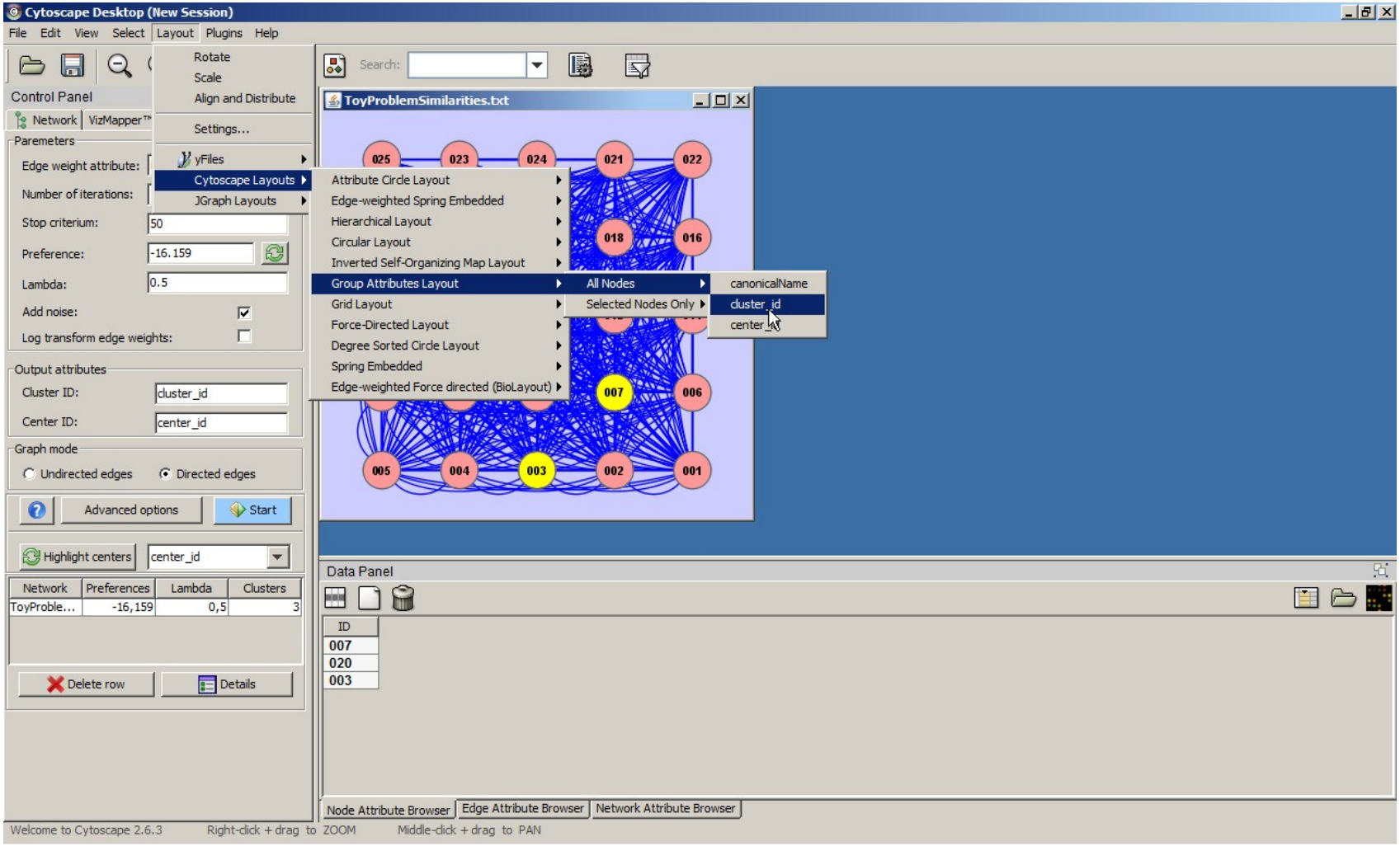
Click "Start" button to run the algorithm



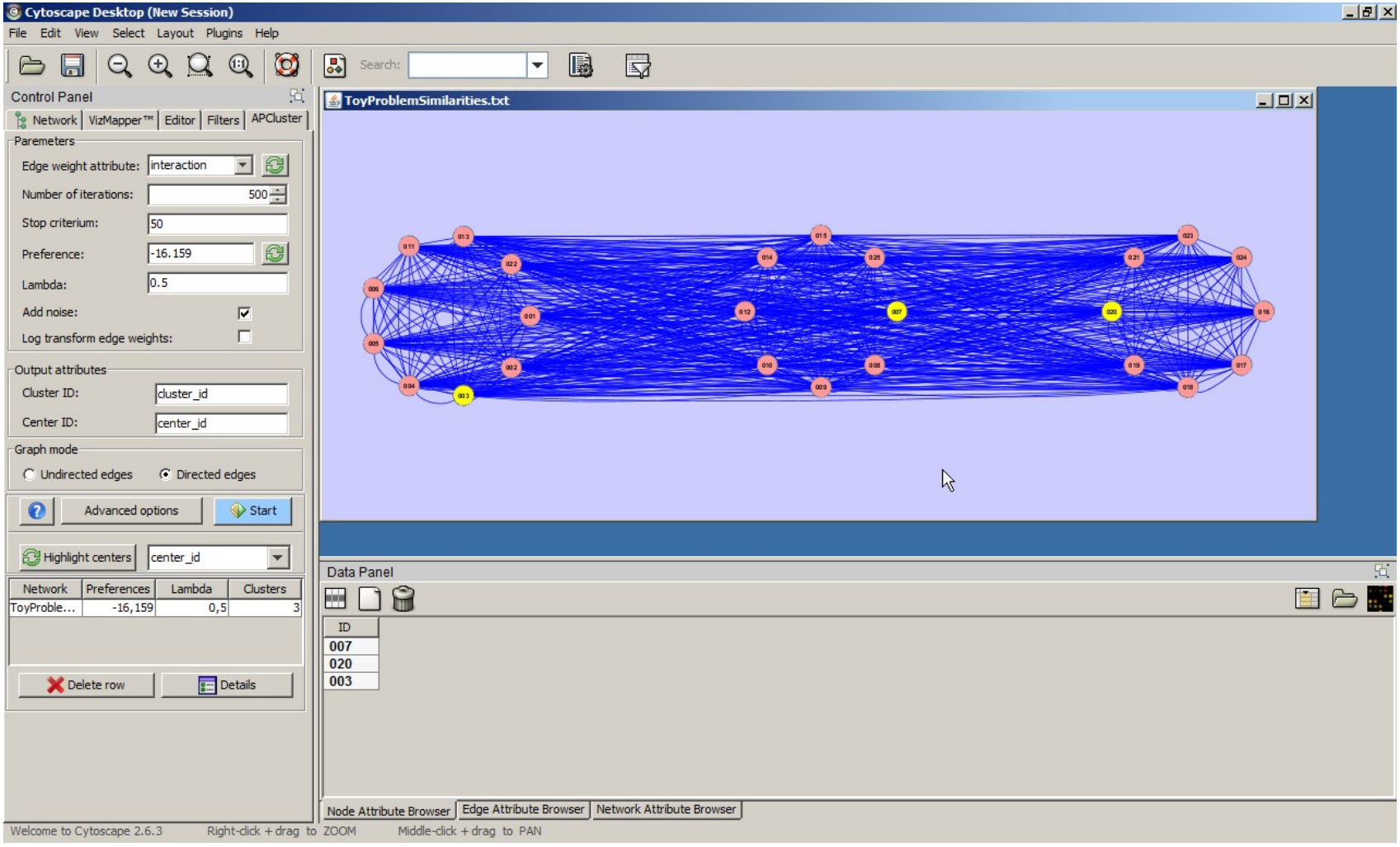
The algorithm will converge.



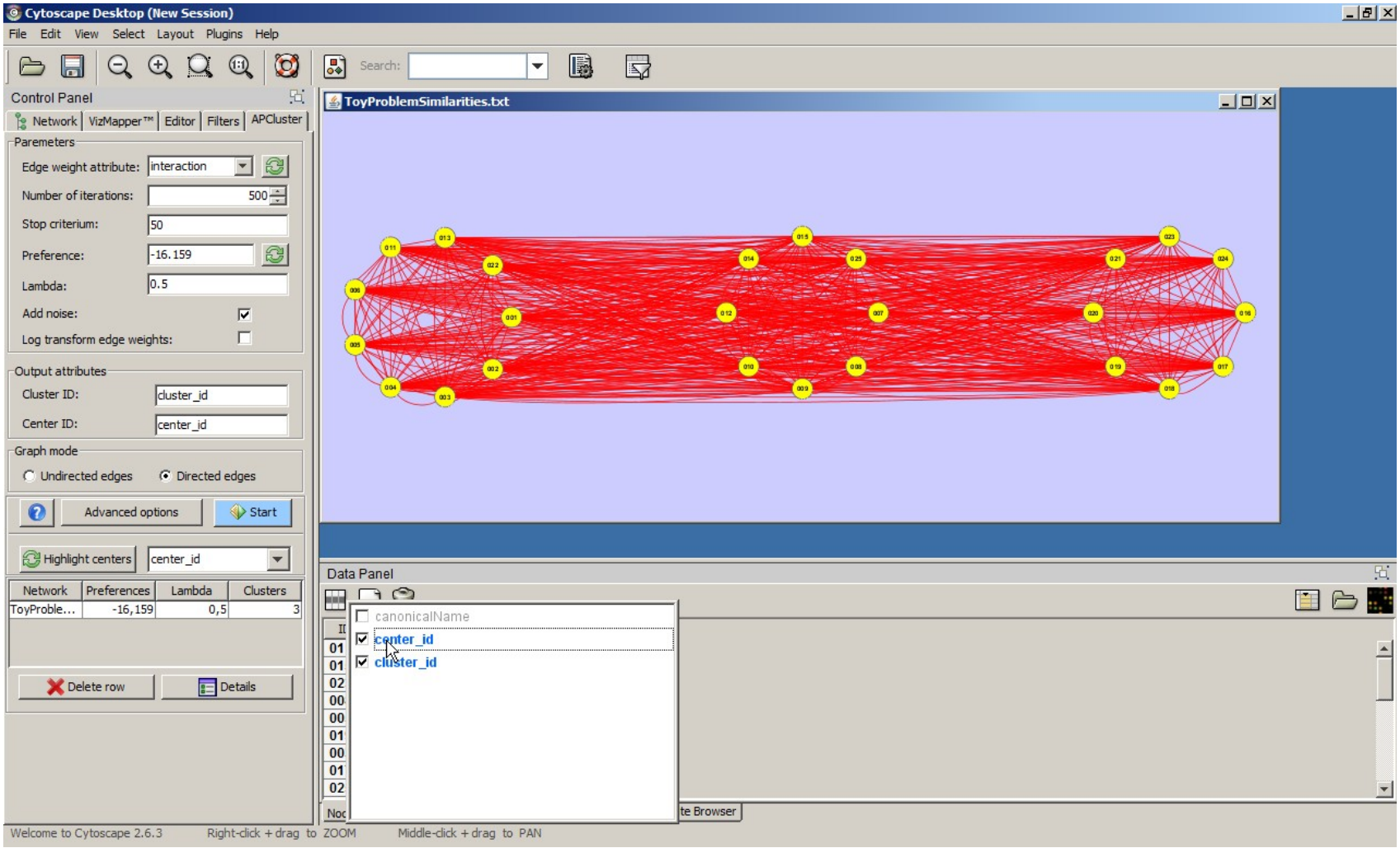
Choose layout "Group Attributes Layout" and select "cluster_id" as the attribute



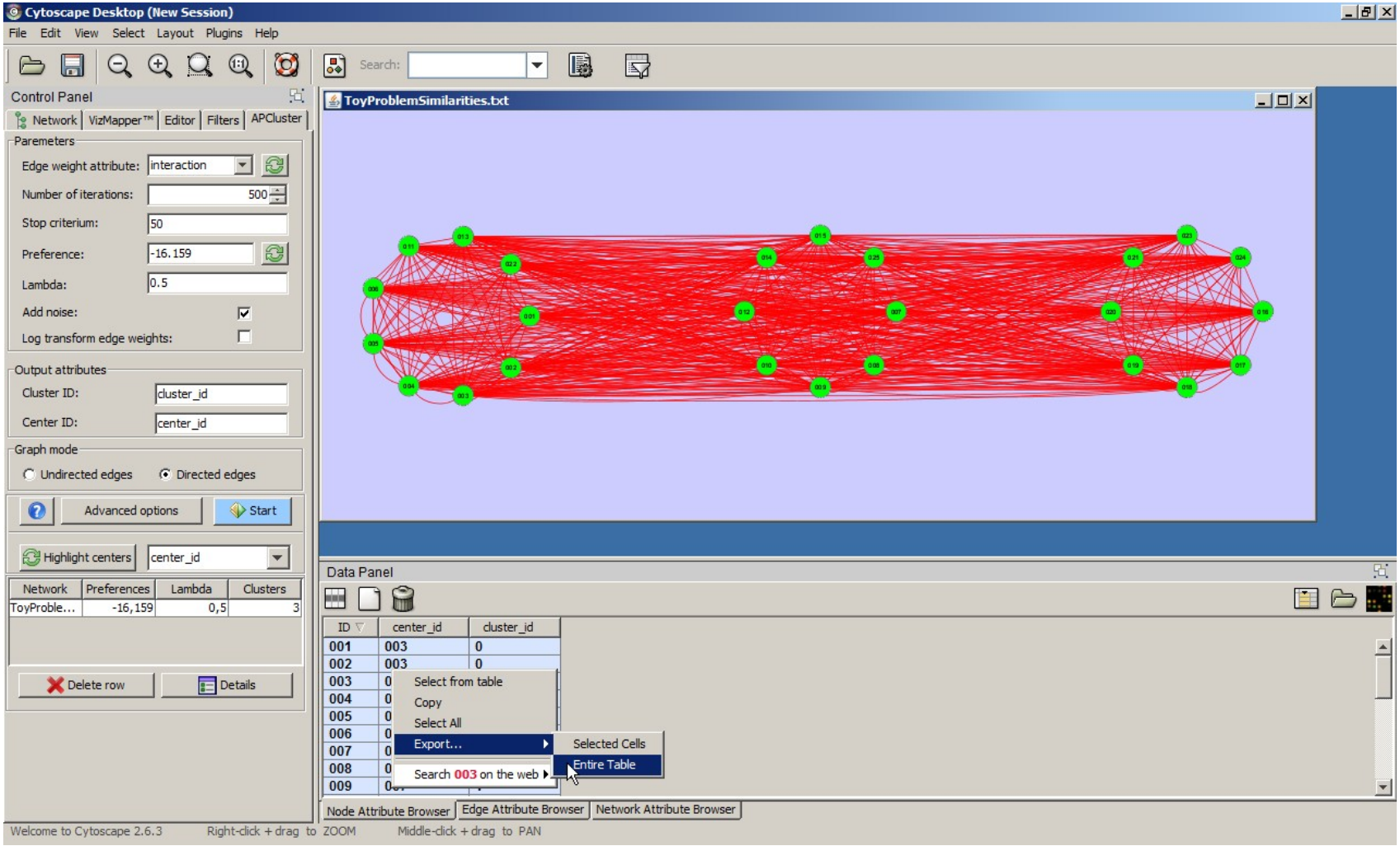
You should obtain this layout



Show "cluster_id" and "center_id" attributes in Data panel



Select all nodes and choose the option "Export → Entire Table" in Data panel



Save your clustering in text format

clustering.txt

```
ID  center_id   cluster_id
013 003 0
012 007 1
008 007 1
011 003 0
022 003 0
003 003 0
009 007 1
025 007 1
007 007 1
021 020 2
005 003 0
018 020 2
024 020 2
014 007 1
015 007 1
004 003 0
020 020 2
010 007 1
016 020 2
023 020 2
019 020 2
001 003 0
017 020 2
002 003 0
006 003 0
```