package edu.umbc.cs.mapleadj_rand_index_N was created to implement the Adjusted Rand Index(ADI) algorithm to compare clustering results against external criteria. ARI evaluates the clustering statistics (see more information about it on the Internet “Details of the Adjusted Rand index and Clustering algorithms"... Ka Yee Yeung, Walter L.Ruzzo)

Package includes the following programs:
- AdjustedRandIndexN.java - solves ARI;
- Combinatorial.java - solves factorial and combinatorial;
- MatrixN.java - stores cluster's information about in the matrix
- ARI_example_prompt.txt.

WARNING!!!
The range of the ARI is [0 - 1].
If some classes combined by applied clustering algorithm fail - the ARI is out of this range.

The AdjustedRandIndexN.java is restricted to compute ARI for a cluster that contains less than 20 nodes. The factorial function must be rewritten for a more extended cluster.